

REPLACEMENT SHEET

FIG. 1

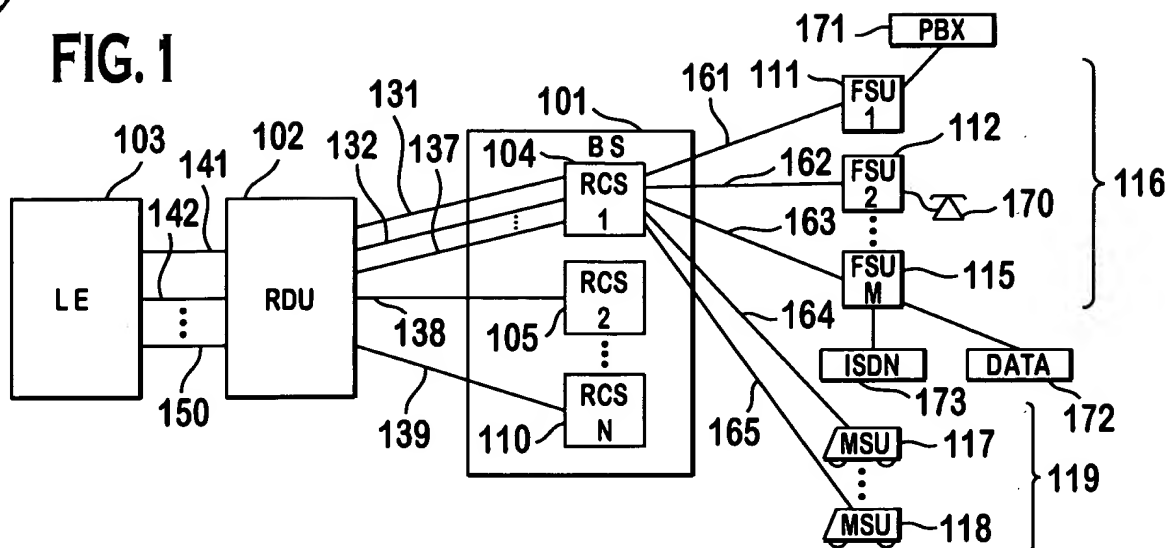


FIG. 2A

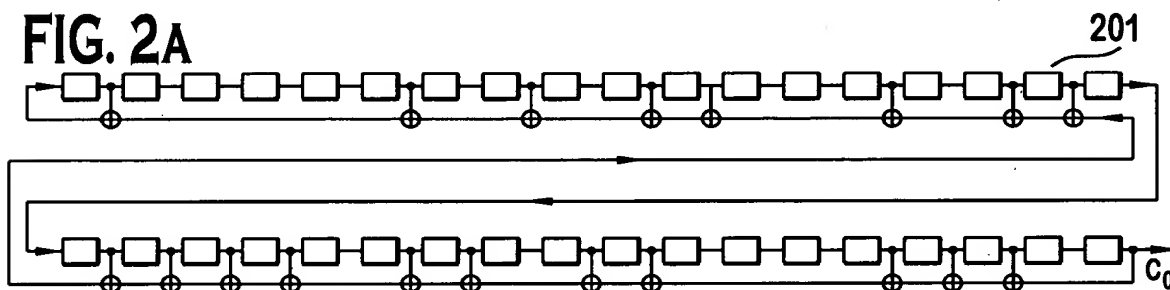


FIG. 2B

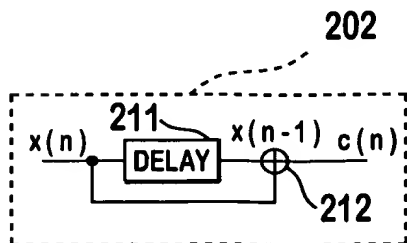
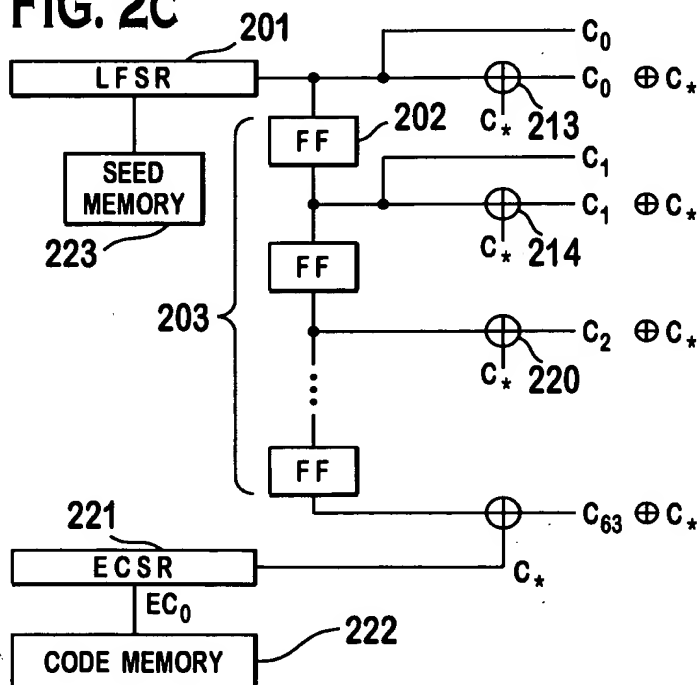
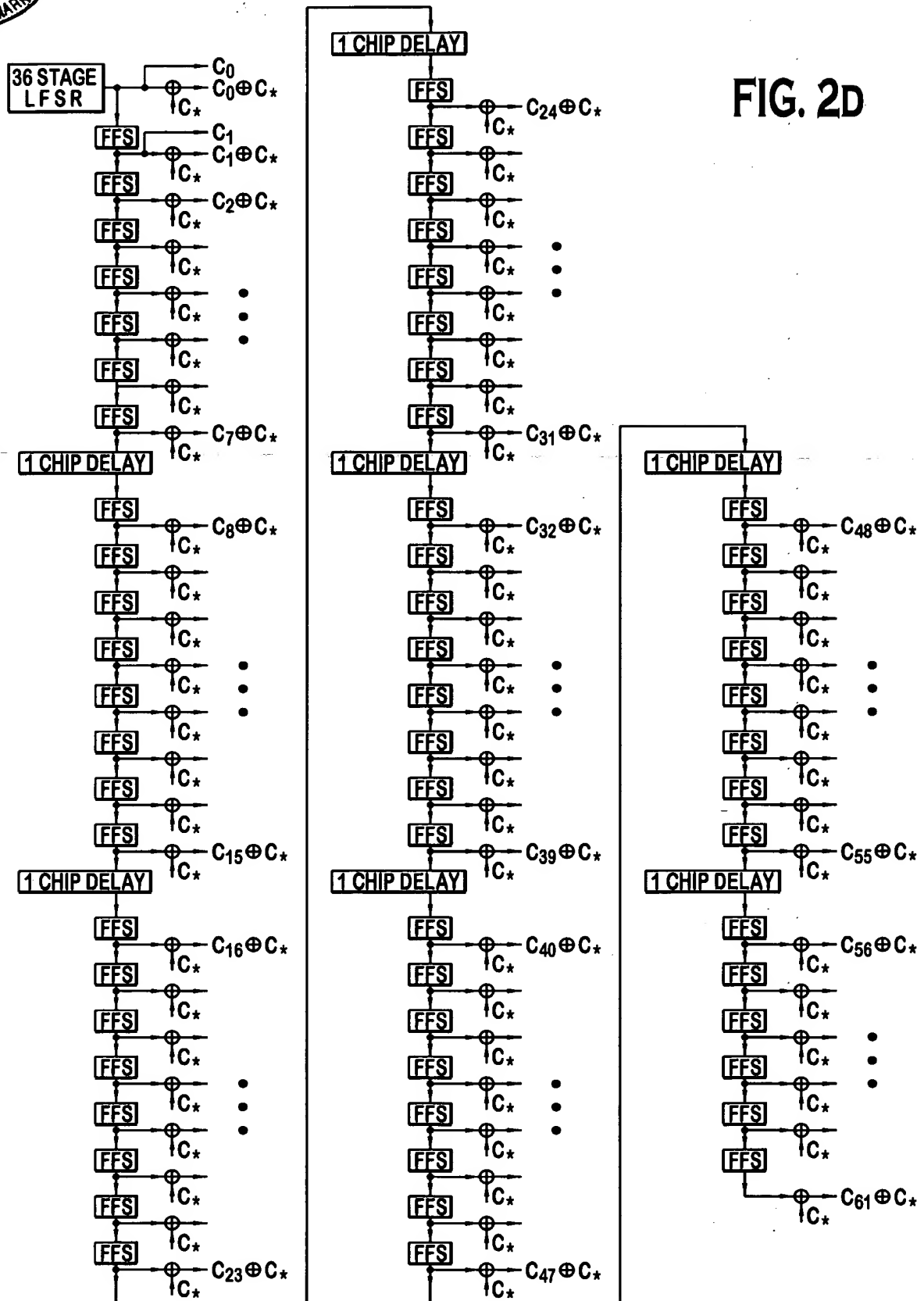


FIG. 2c





REPLACEMENT SHEET





REPLACEMENT SHEET

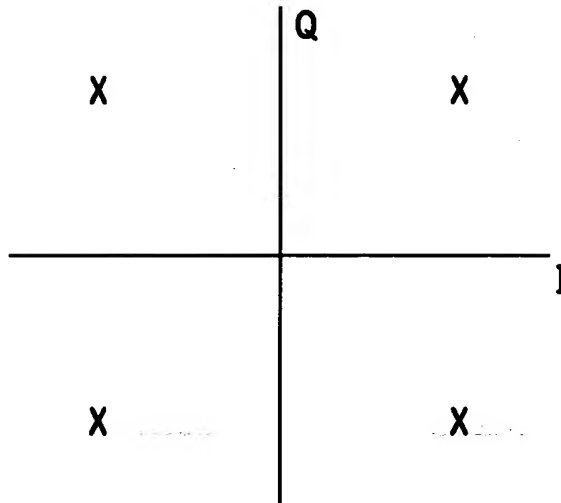


FIG. 3A

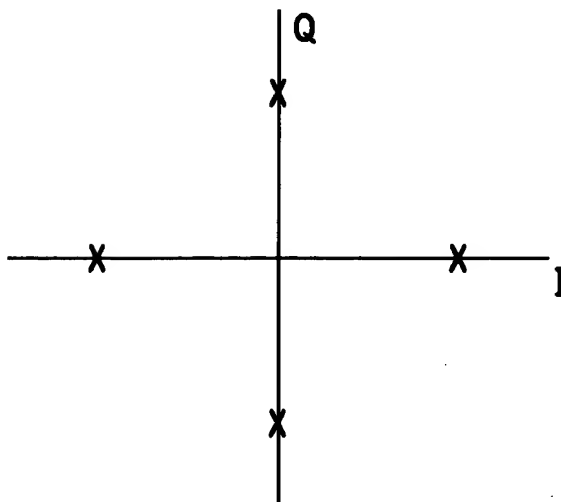


FIG. 3B



REPLACEMENT SHEET

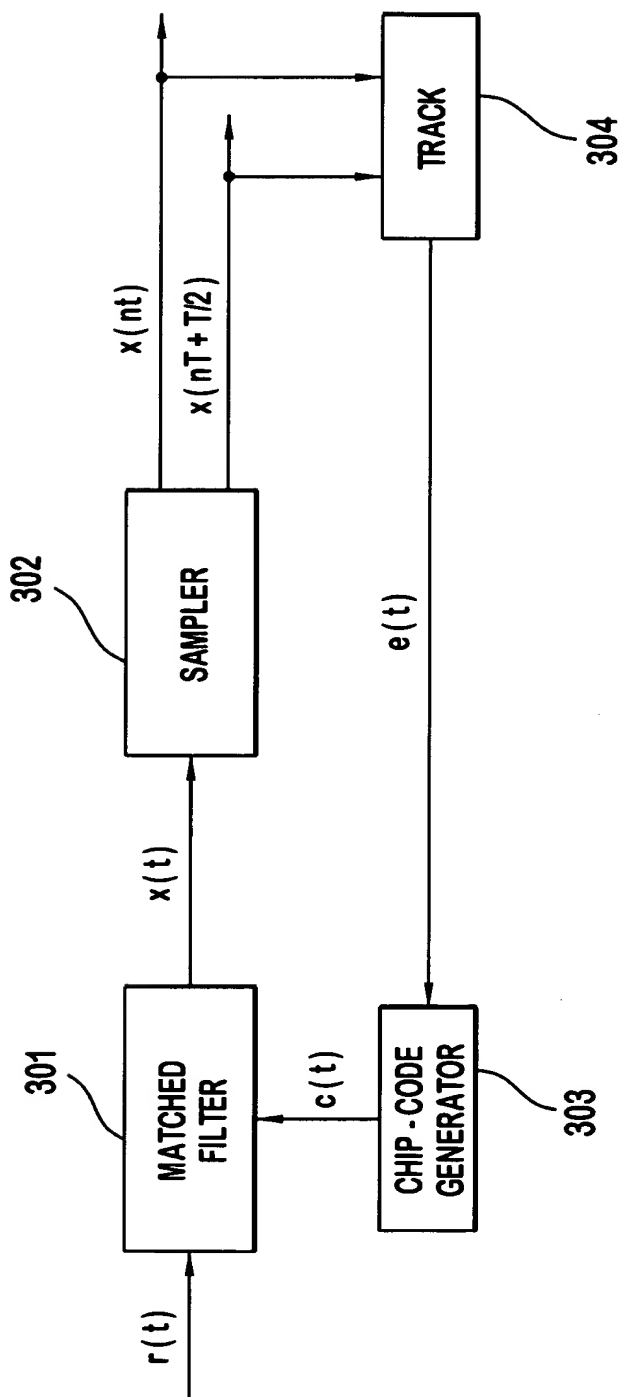
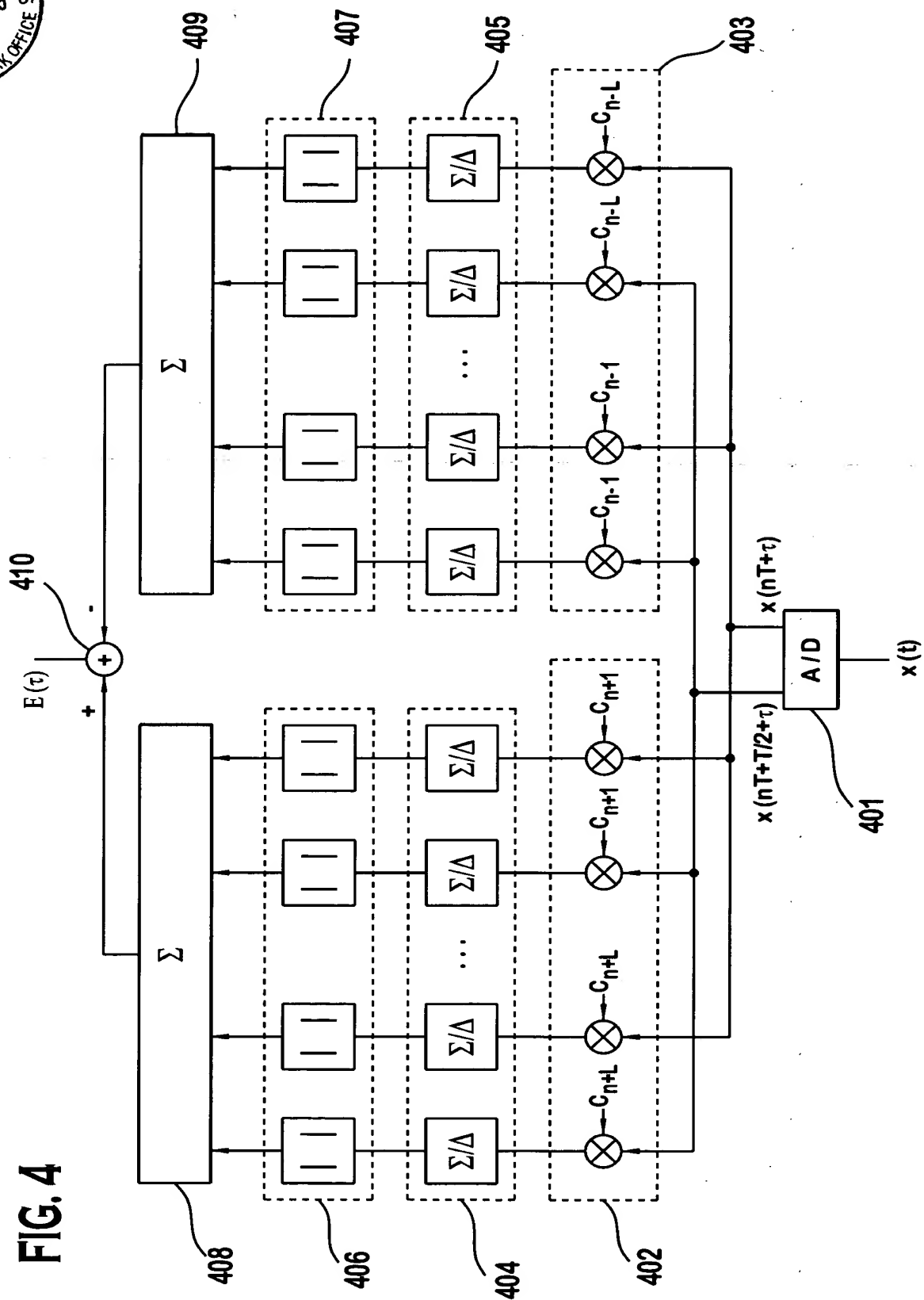


FIG. 3C



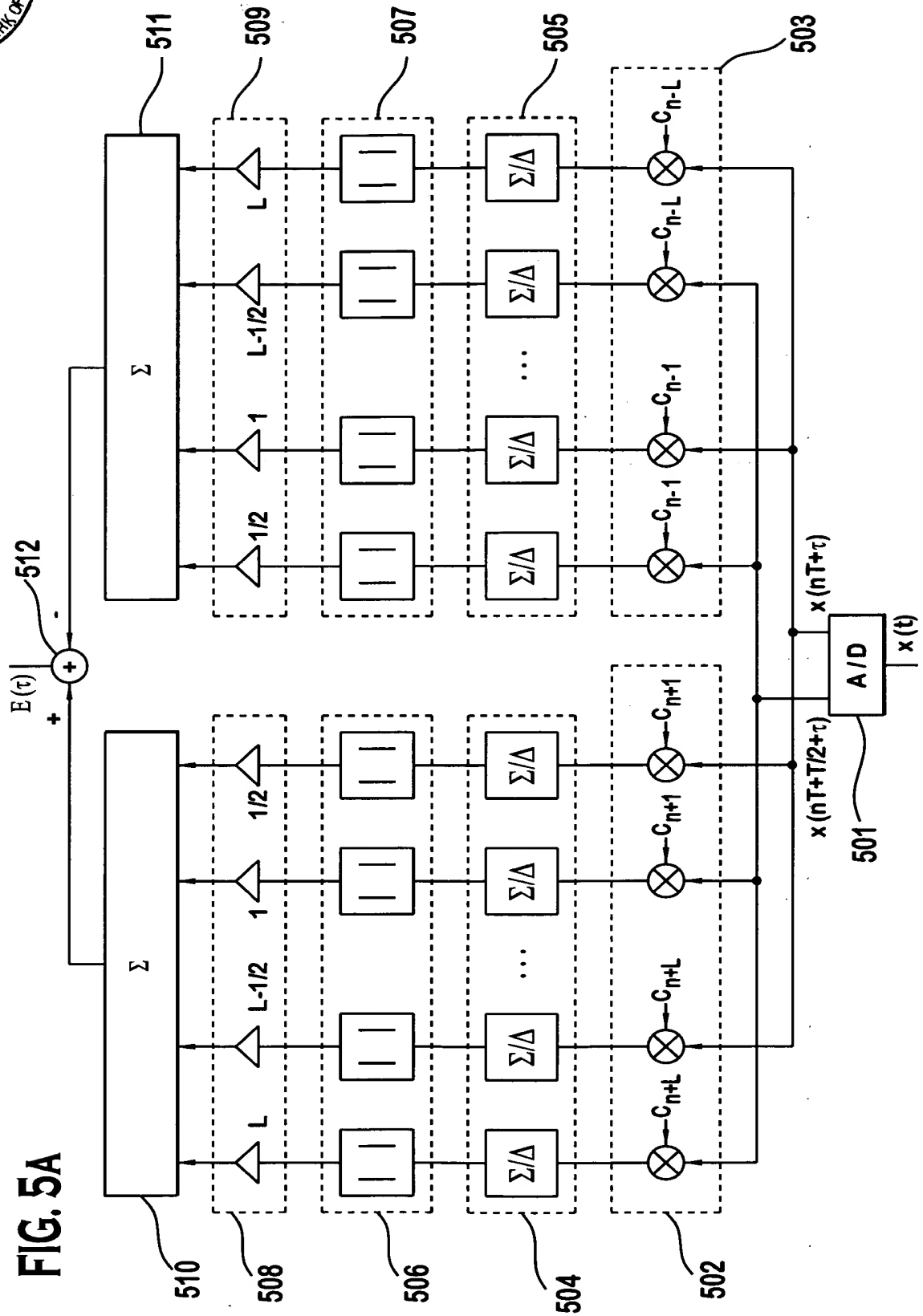
FIG. 4





REPLACEMENT SHEET

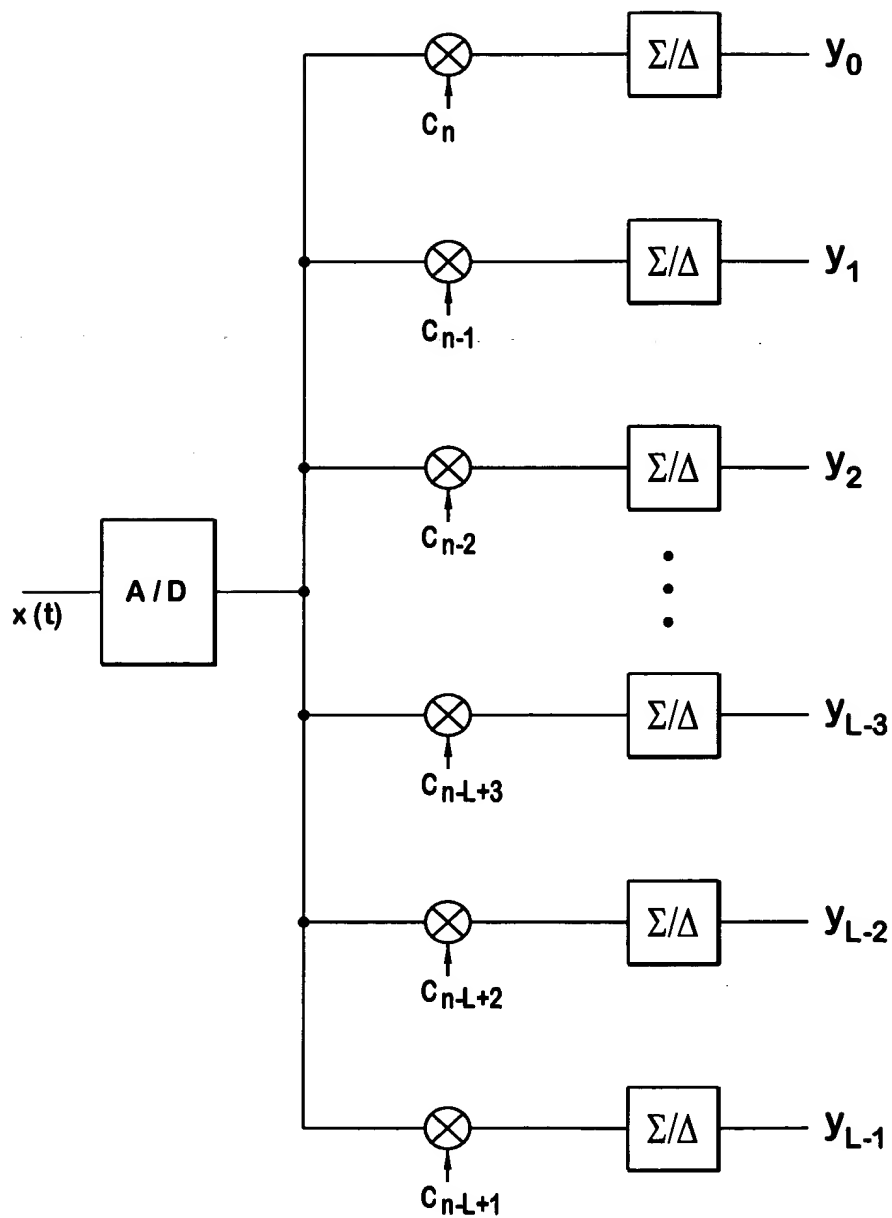
FIG. 5A

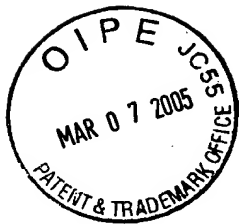




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FIG. 5B





REPLACEMENT SHEET

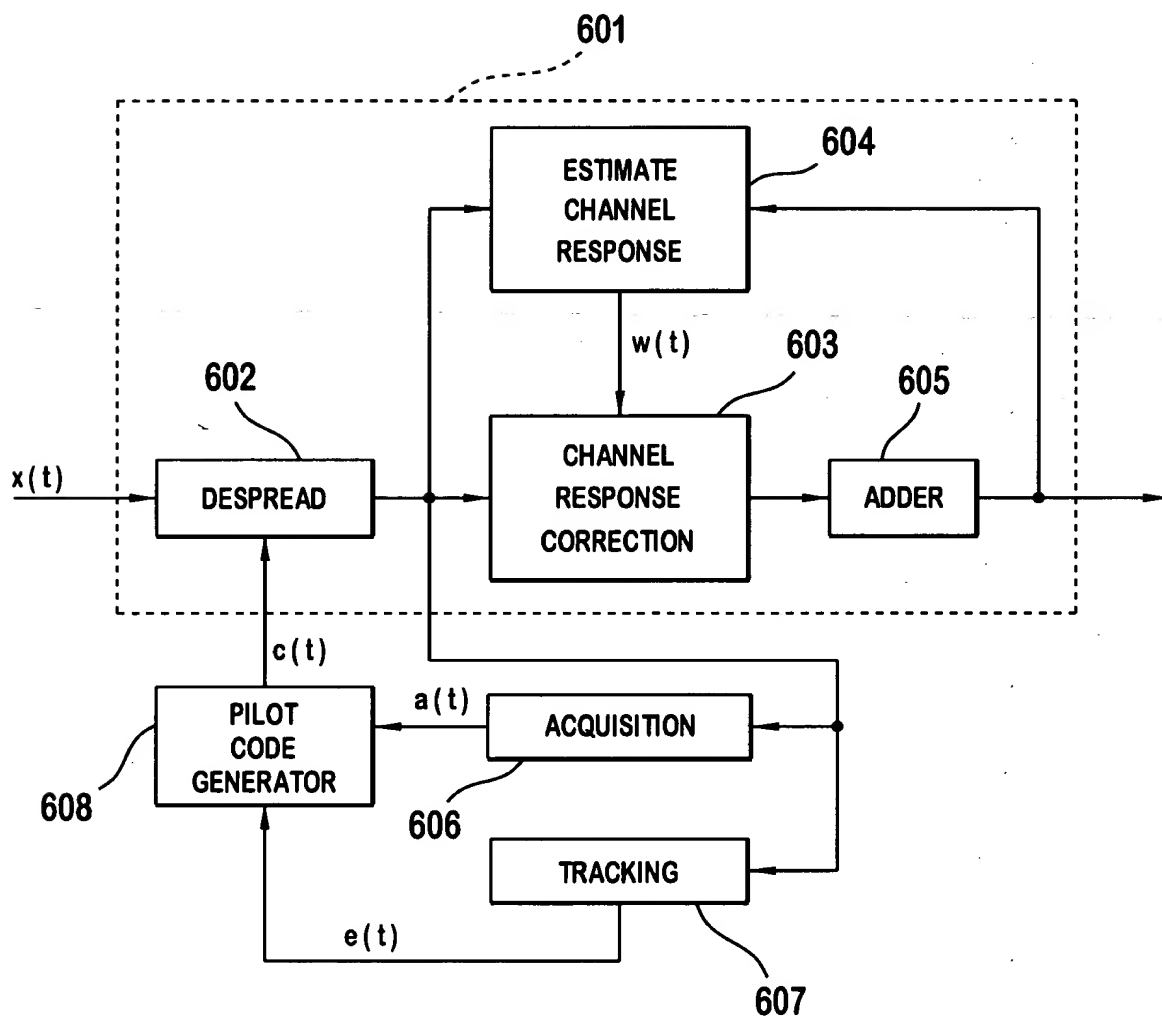


FIG. 6

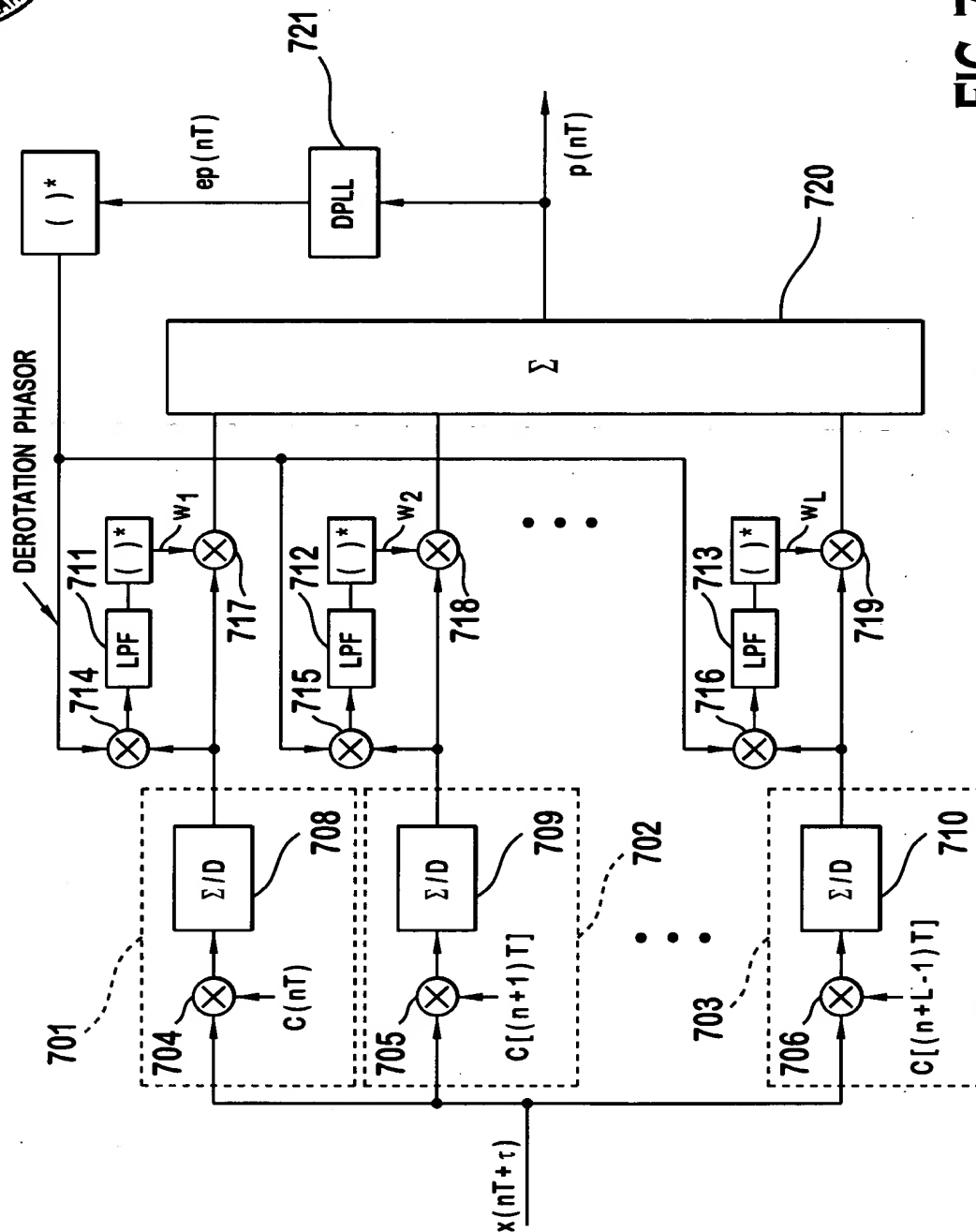


FIG. 7



REPLACEMENT SHEET

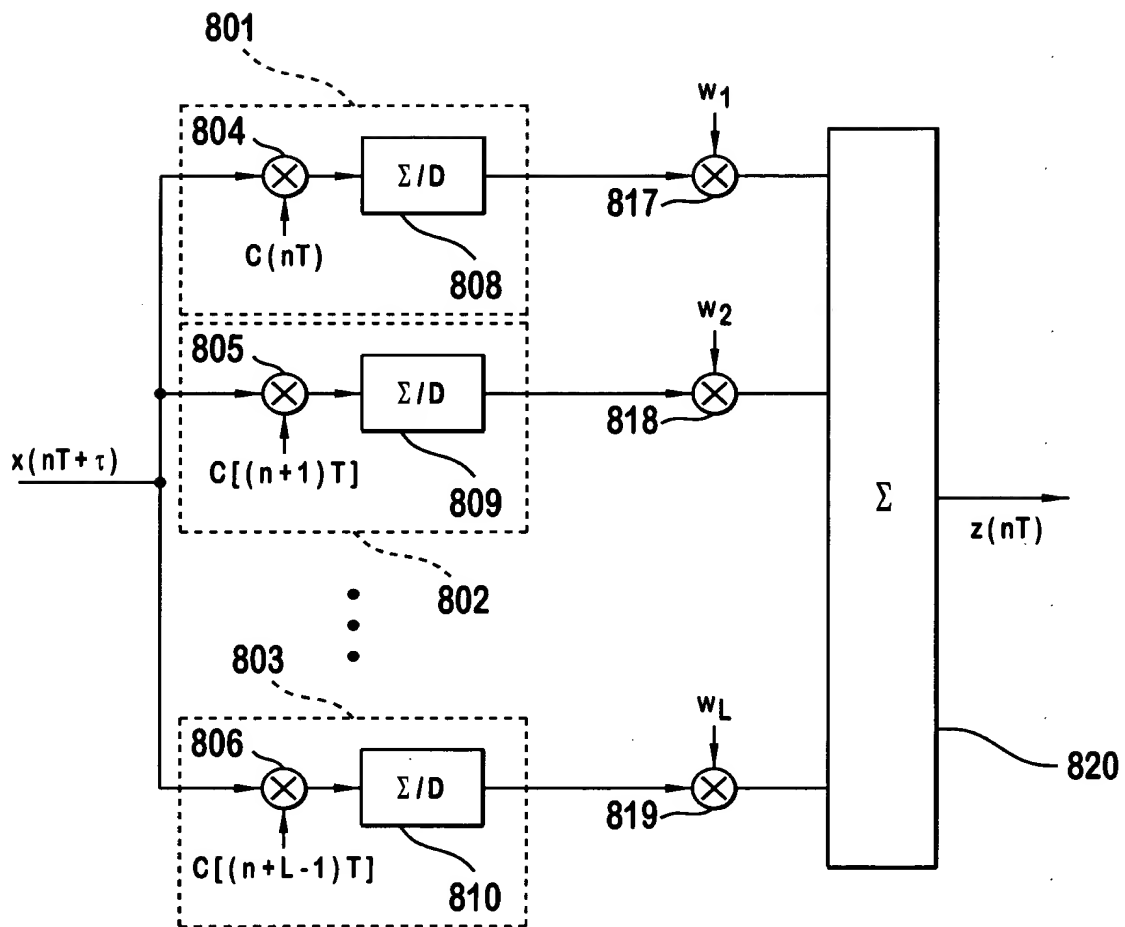


FIG. 8A



REPLACEMENT SHEET

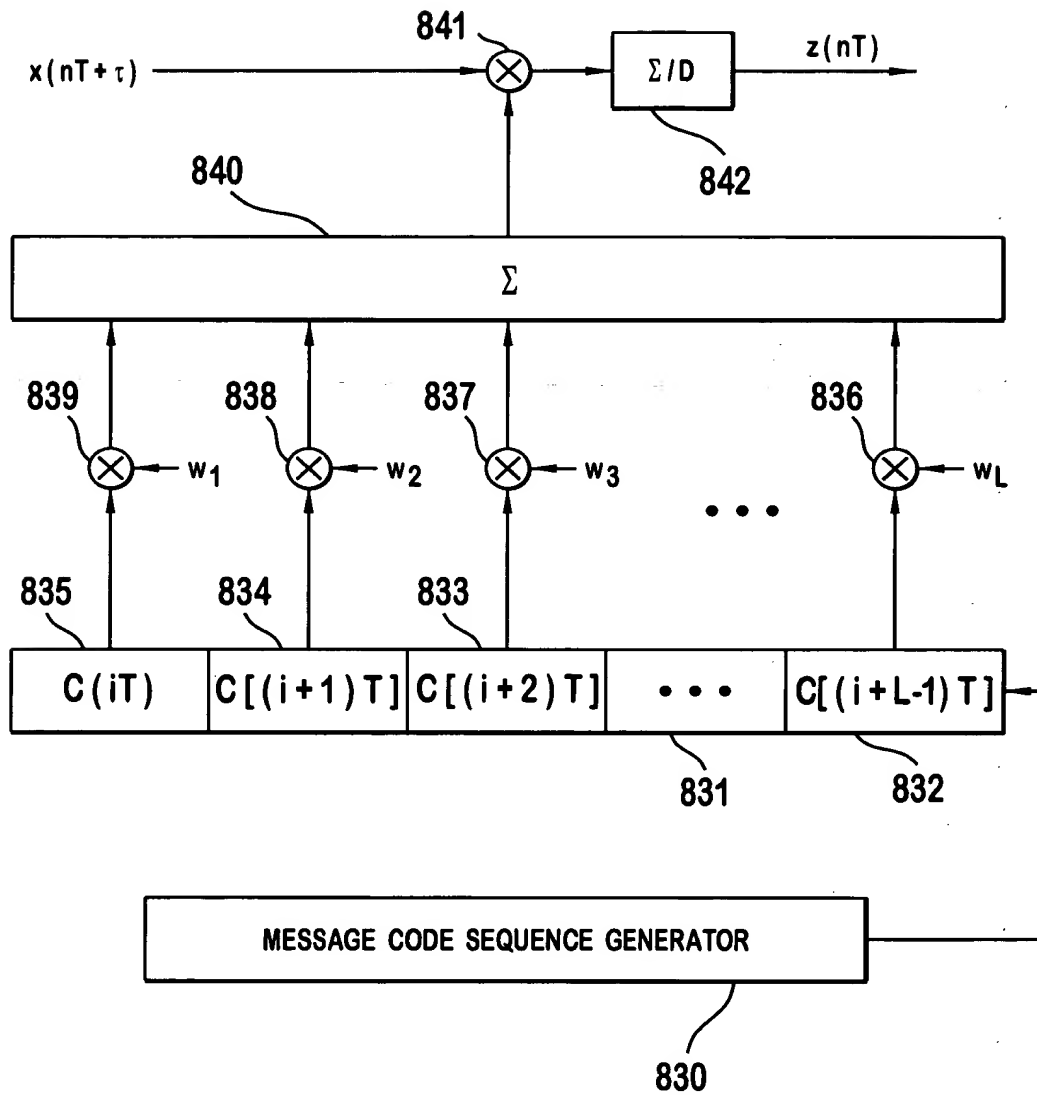
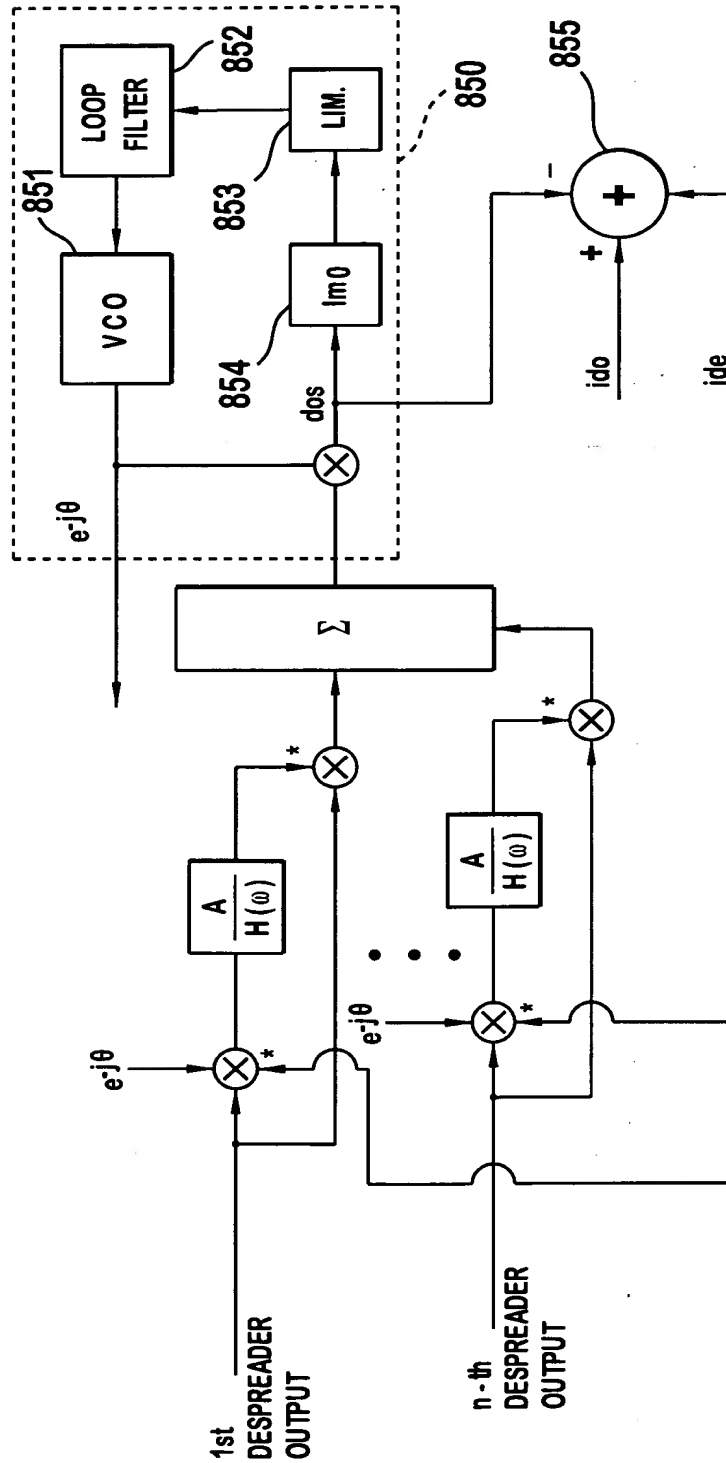


FIG. 8B





REPLACEMENT SHEET

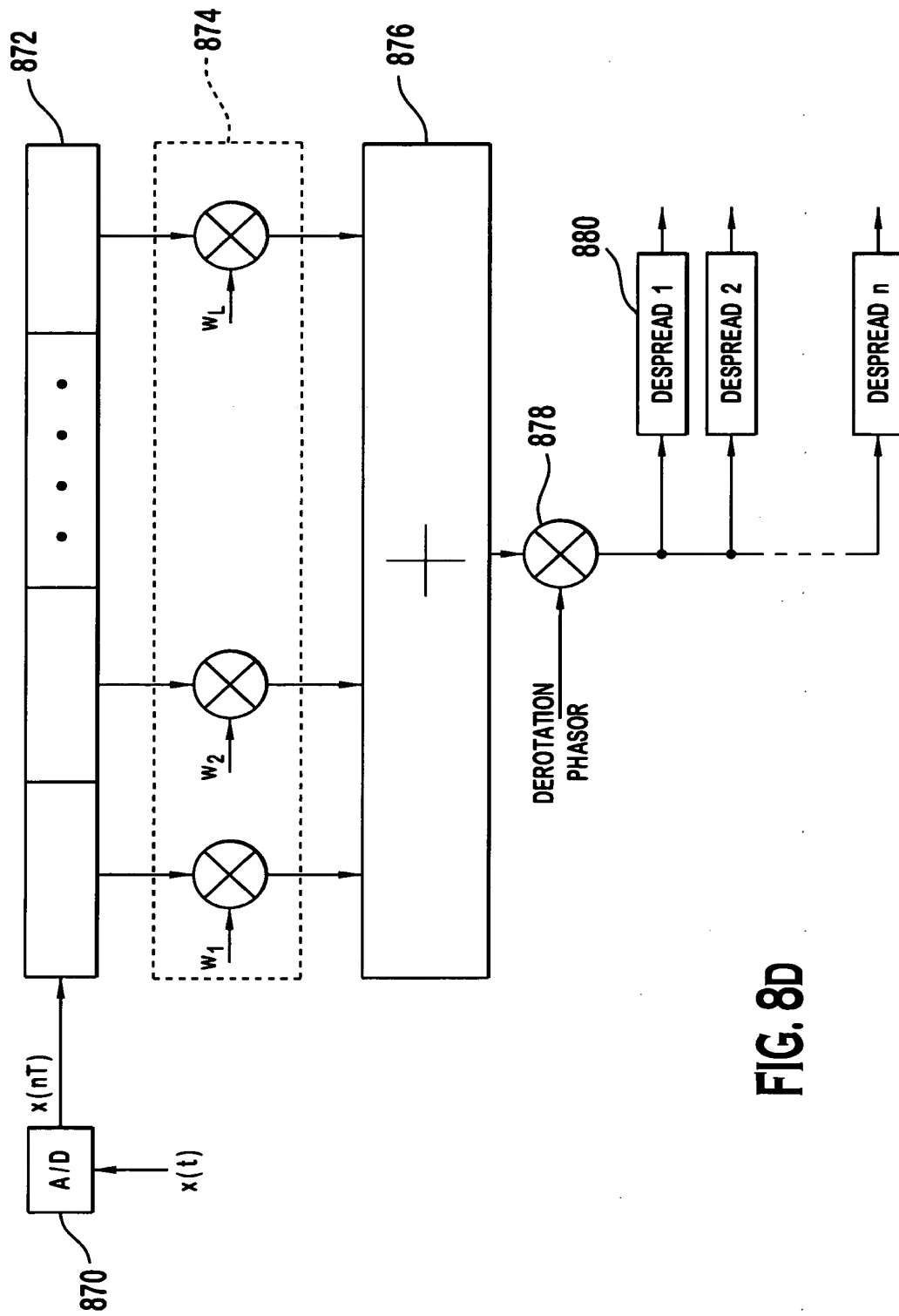


FIG. 8D

REPLACEMENT SHEET

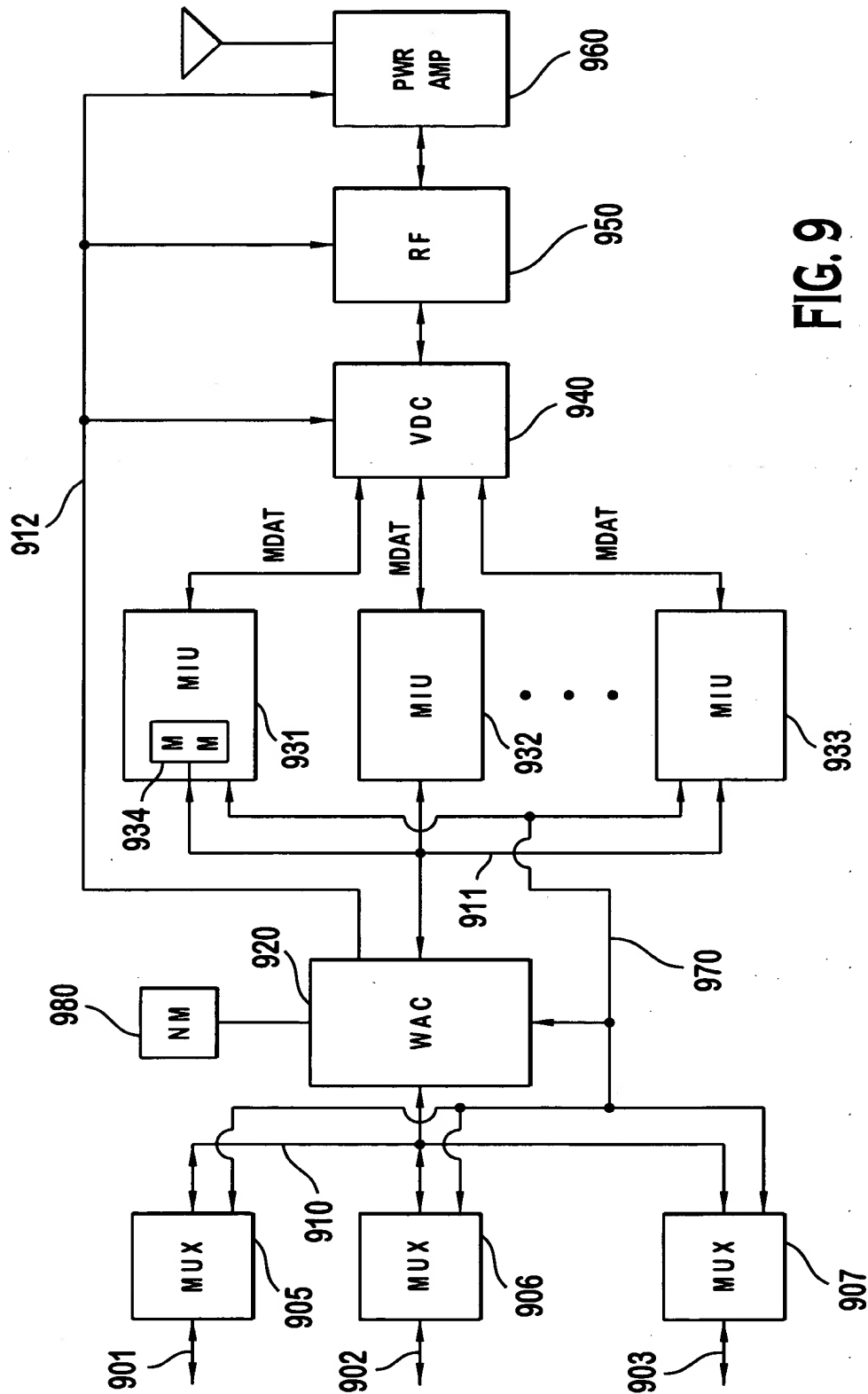


FIG. 9

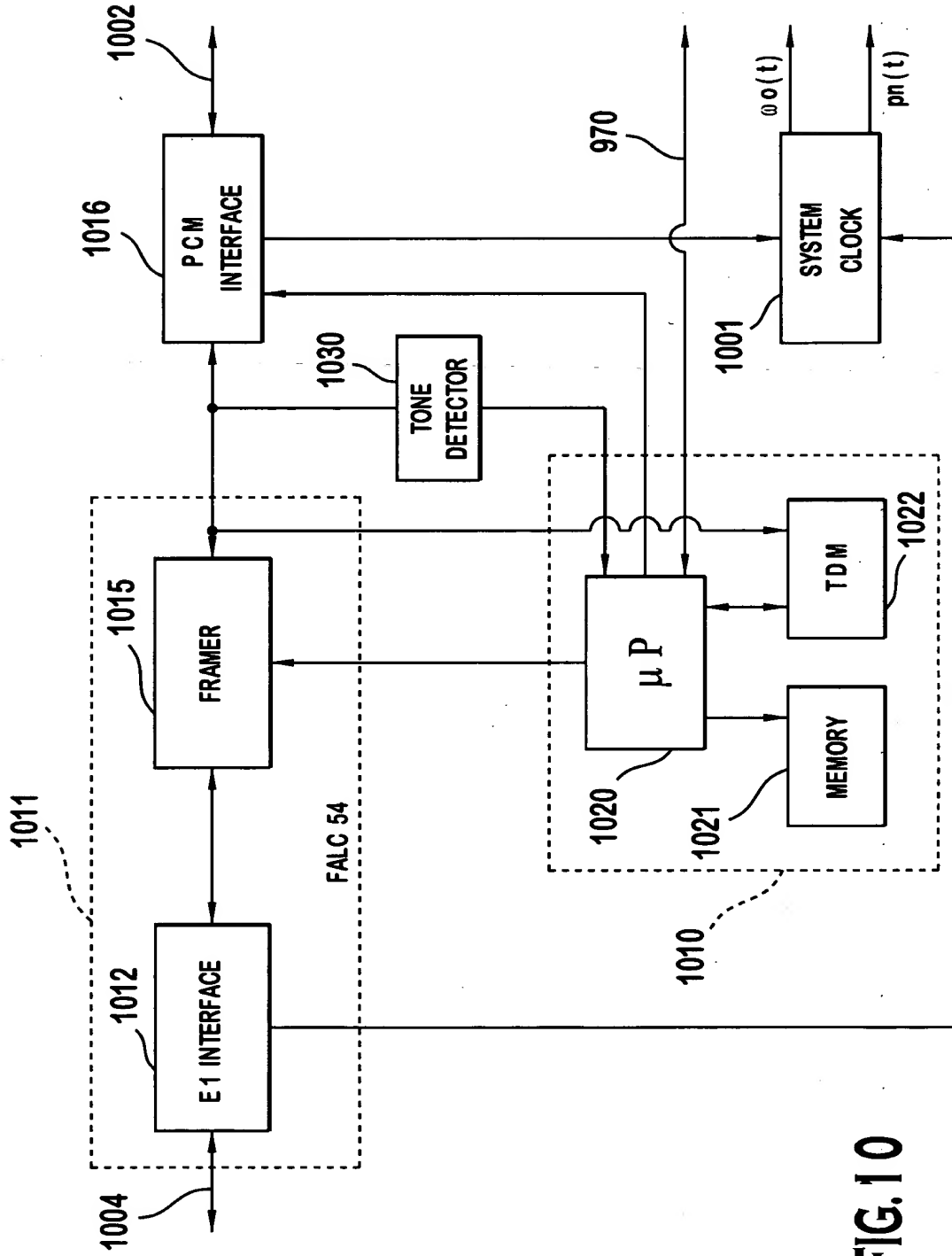
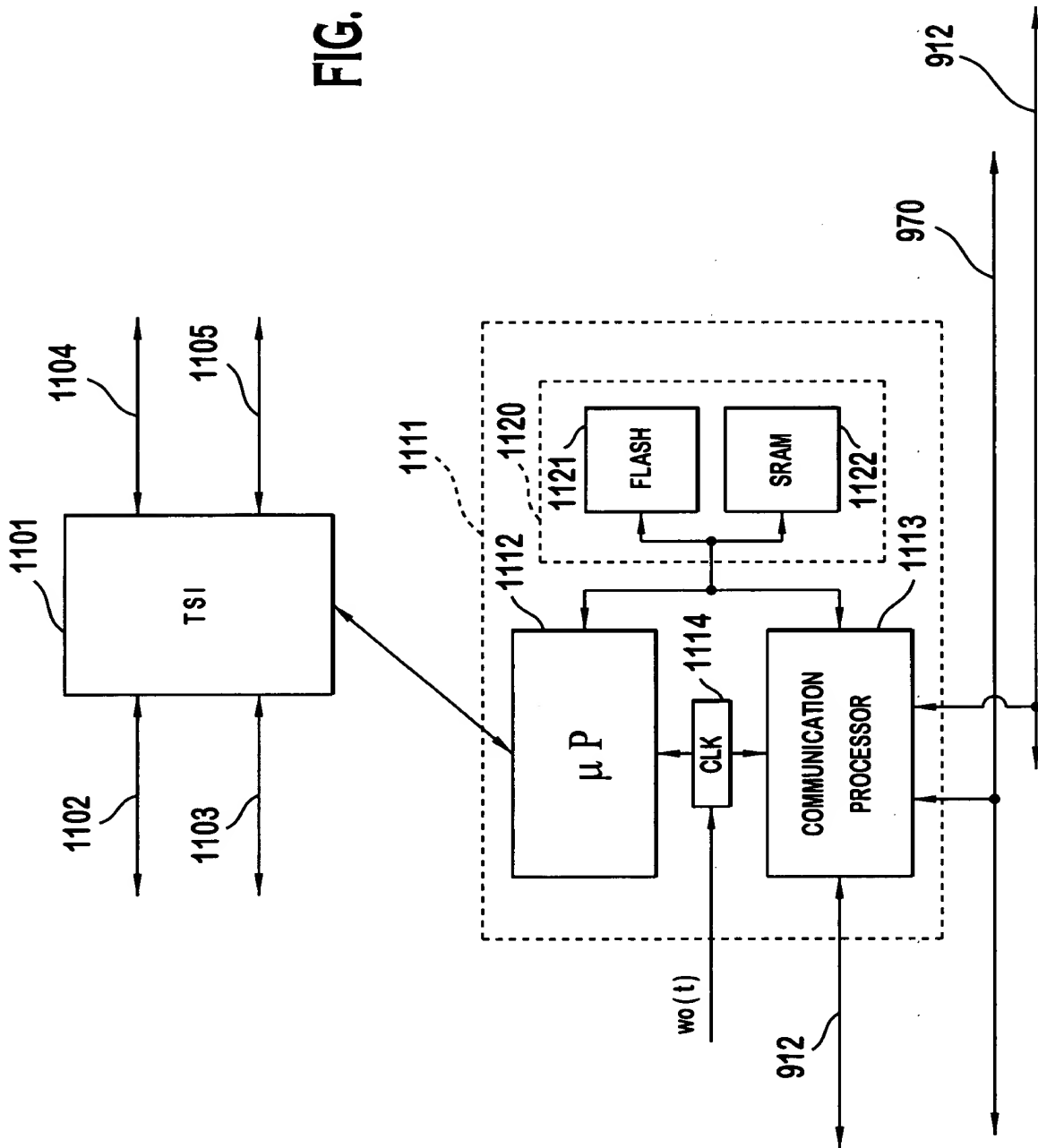


FIG. 10



FIG. 11



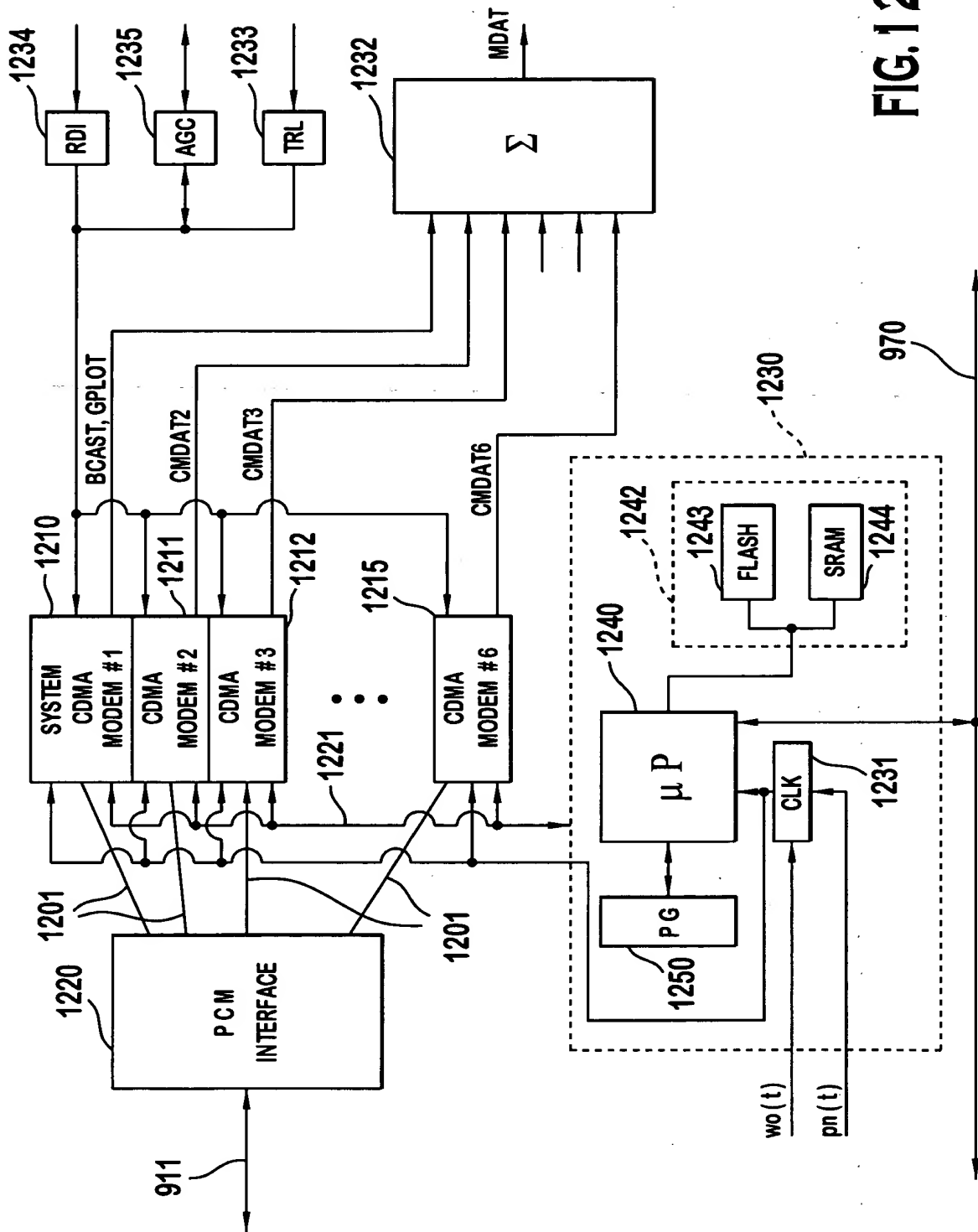


FIG. 12

REPLACEMENT SHEET

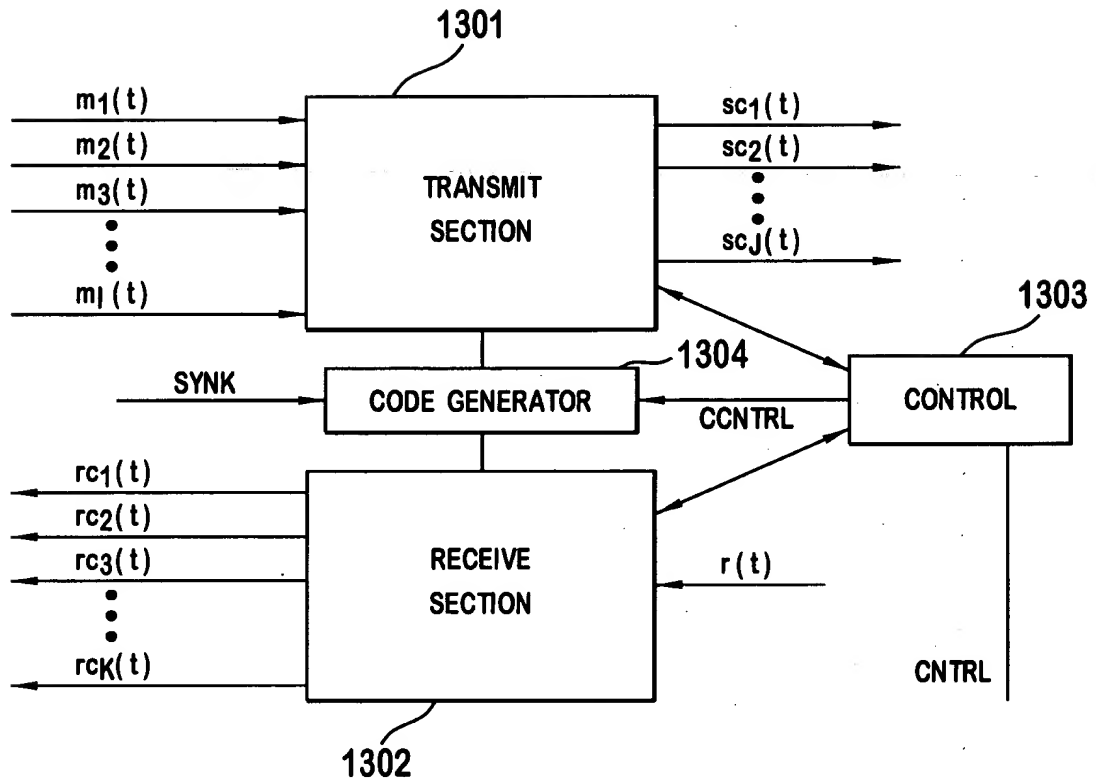
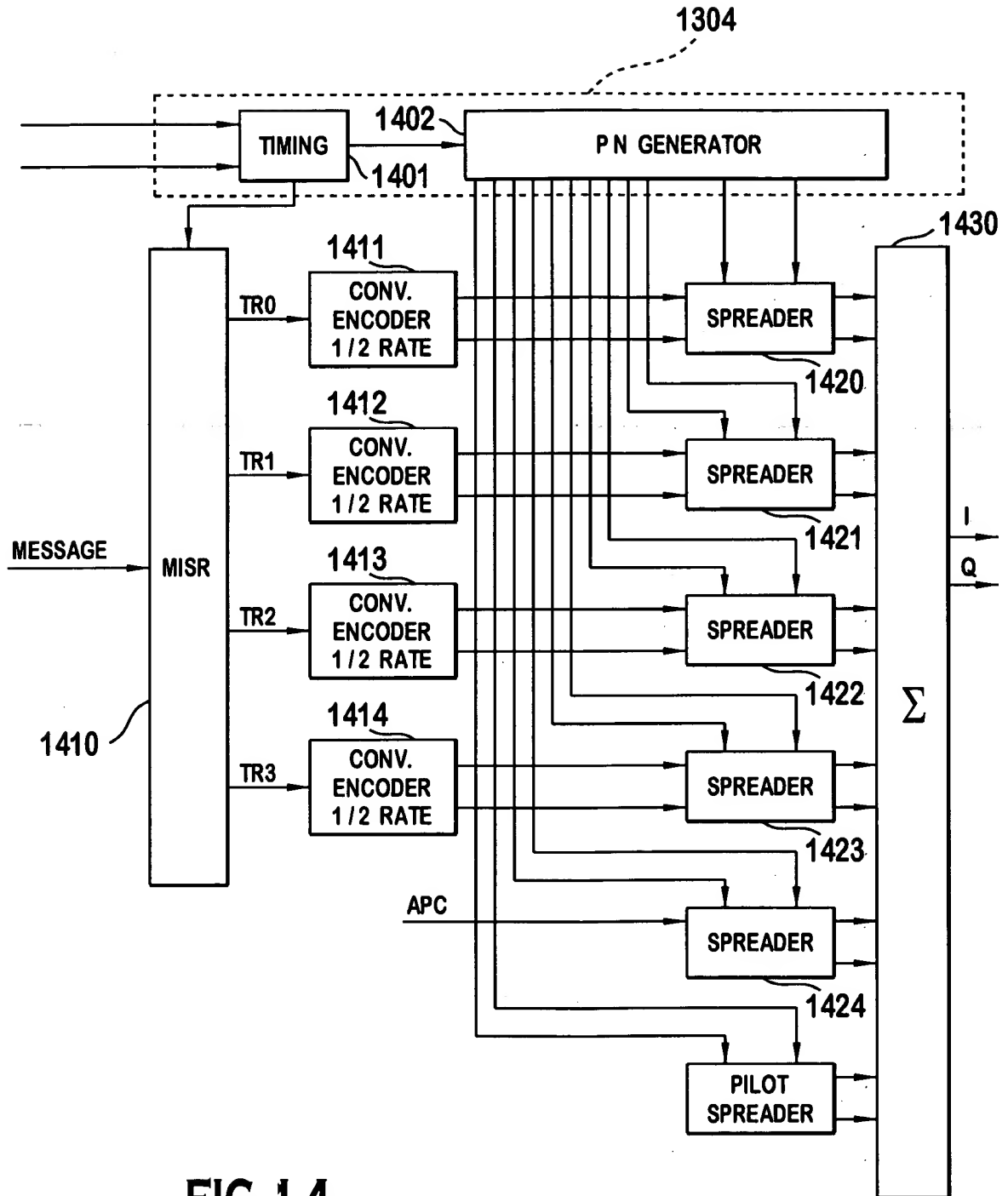


FIG. 13



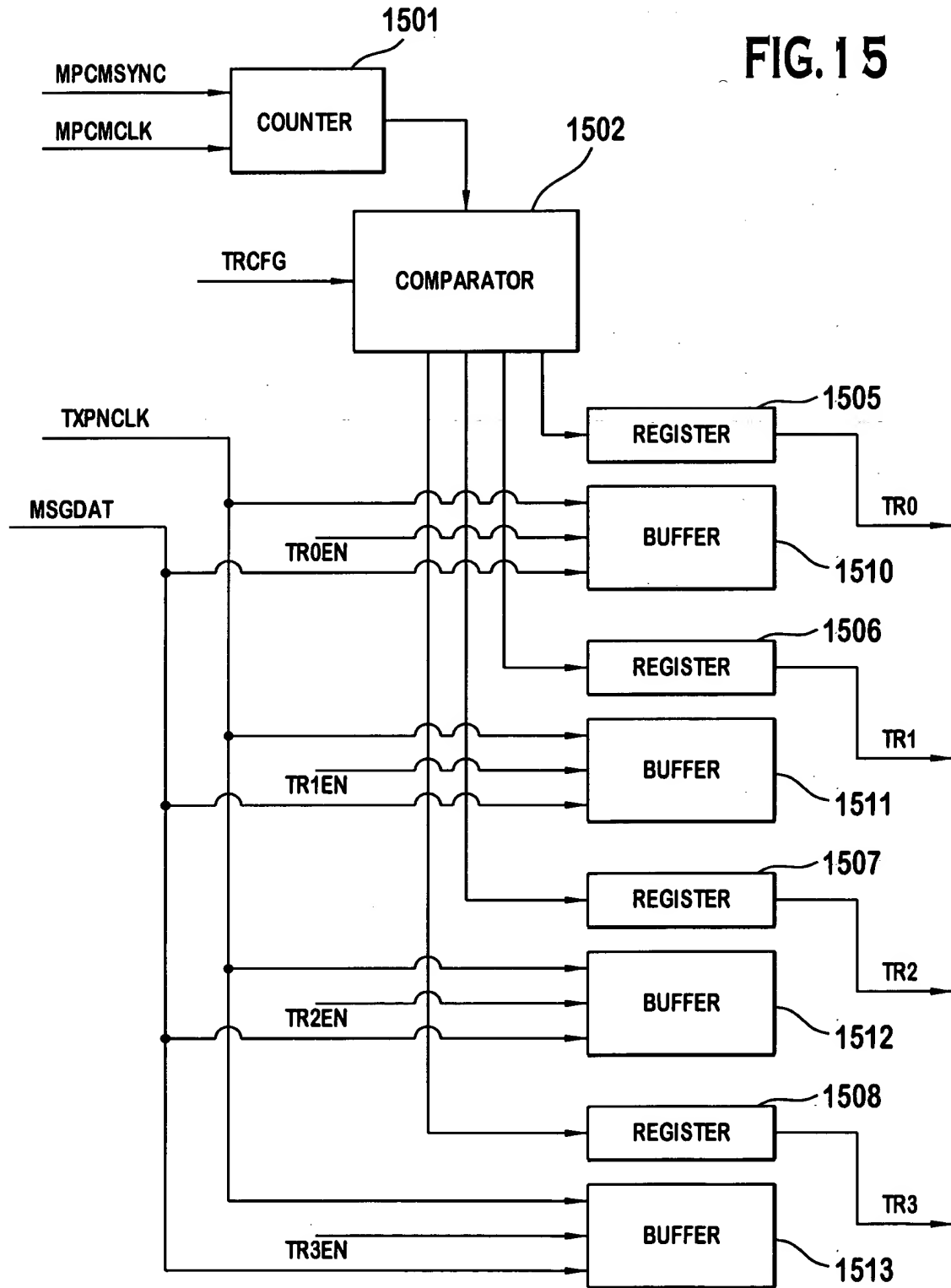
REPLACEMENT SHEET





REPLACEMENT SHEET

FIG. 15





REPLACEMENT SHEET

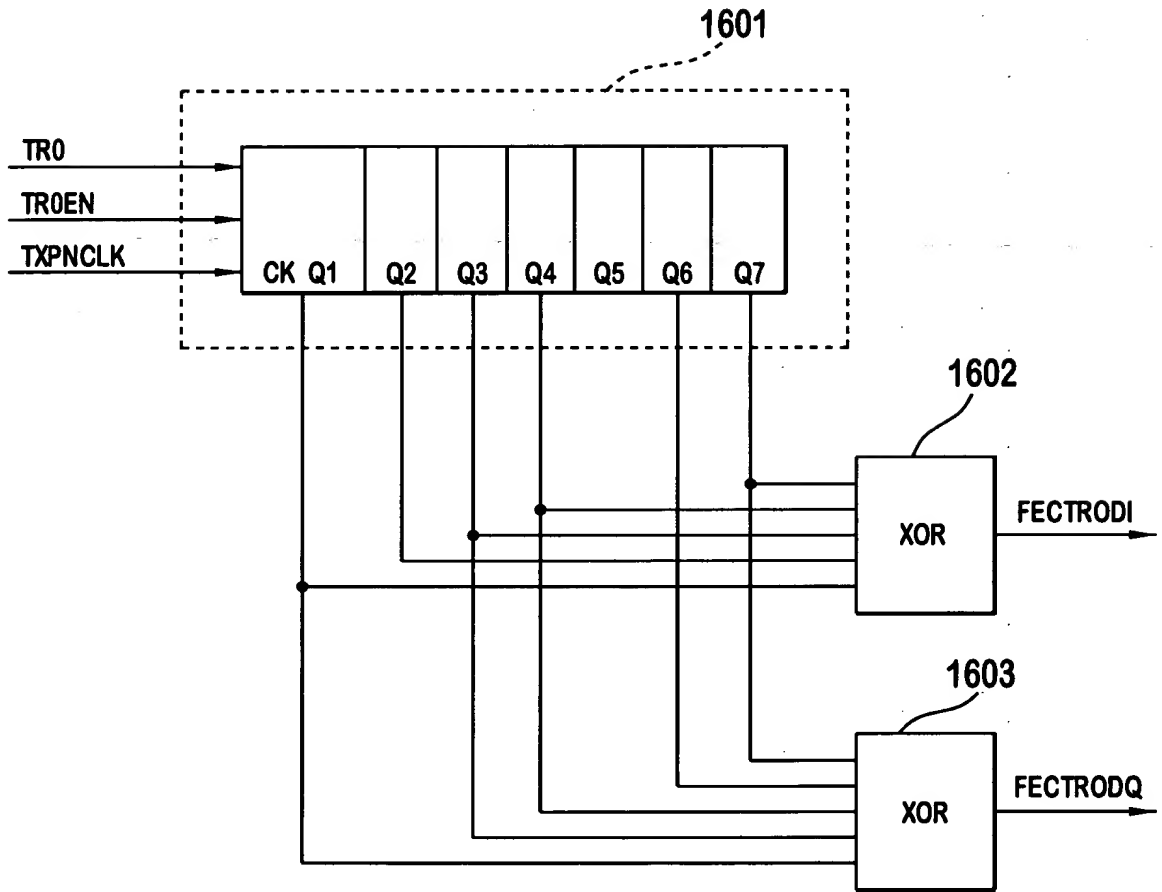


FIG. 16



REPLACEMENT SHEET

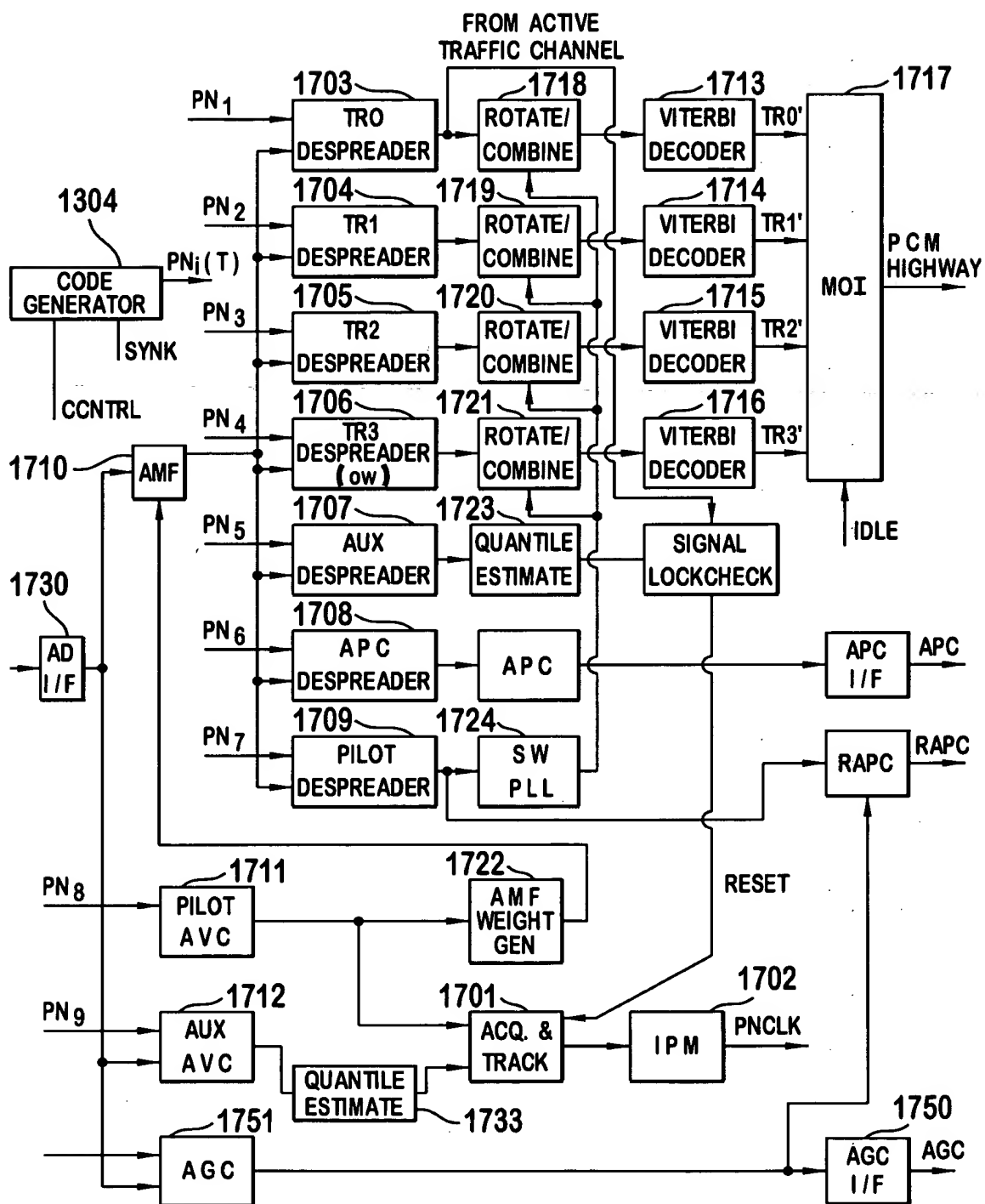


FIG. 17



REPLACEMENT SHEET

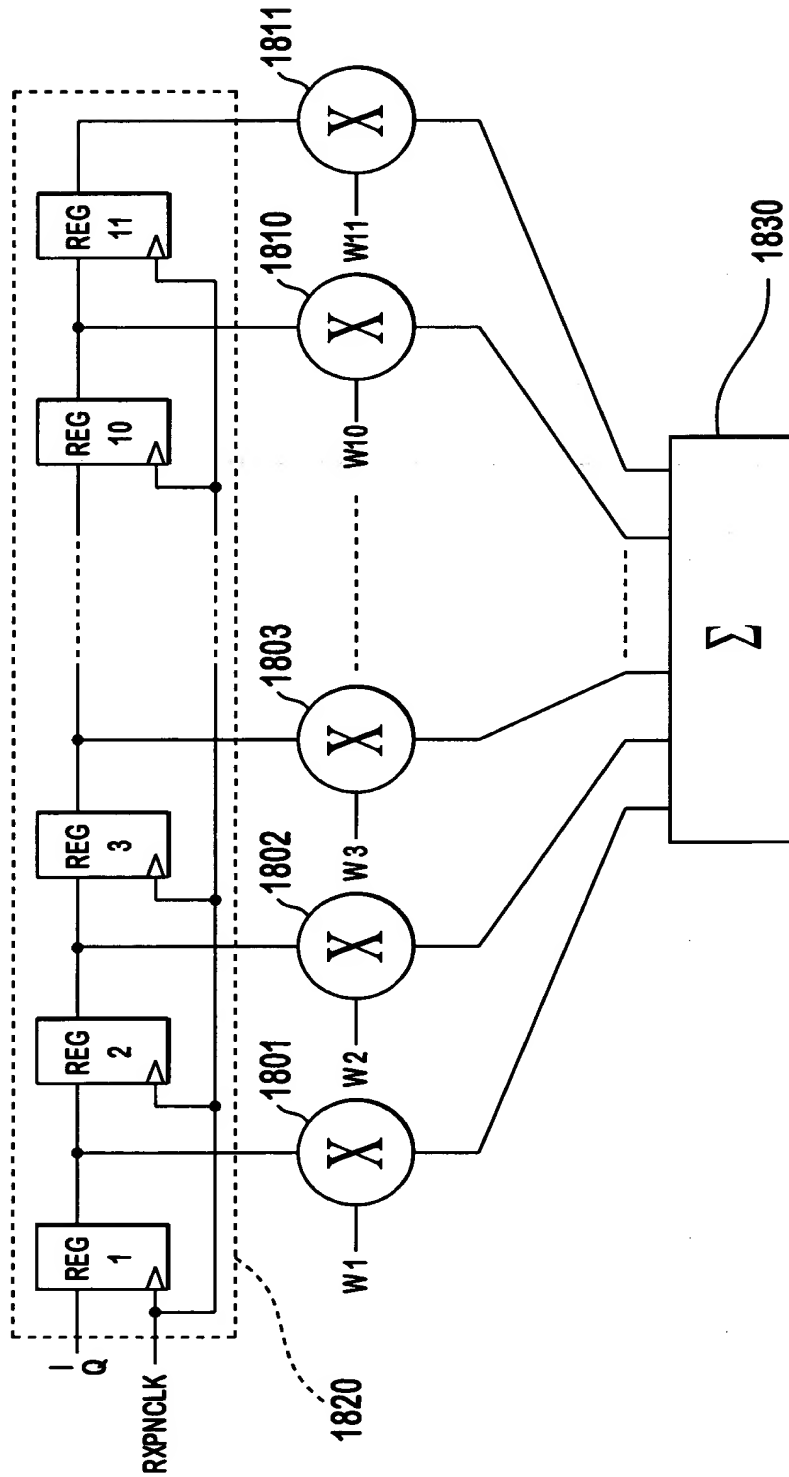


FIG. 18



REPLACEMENT SHEET

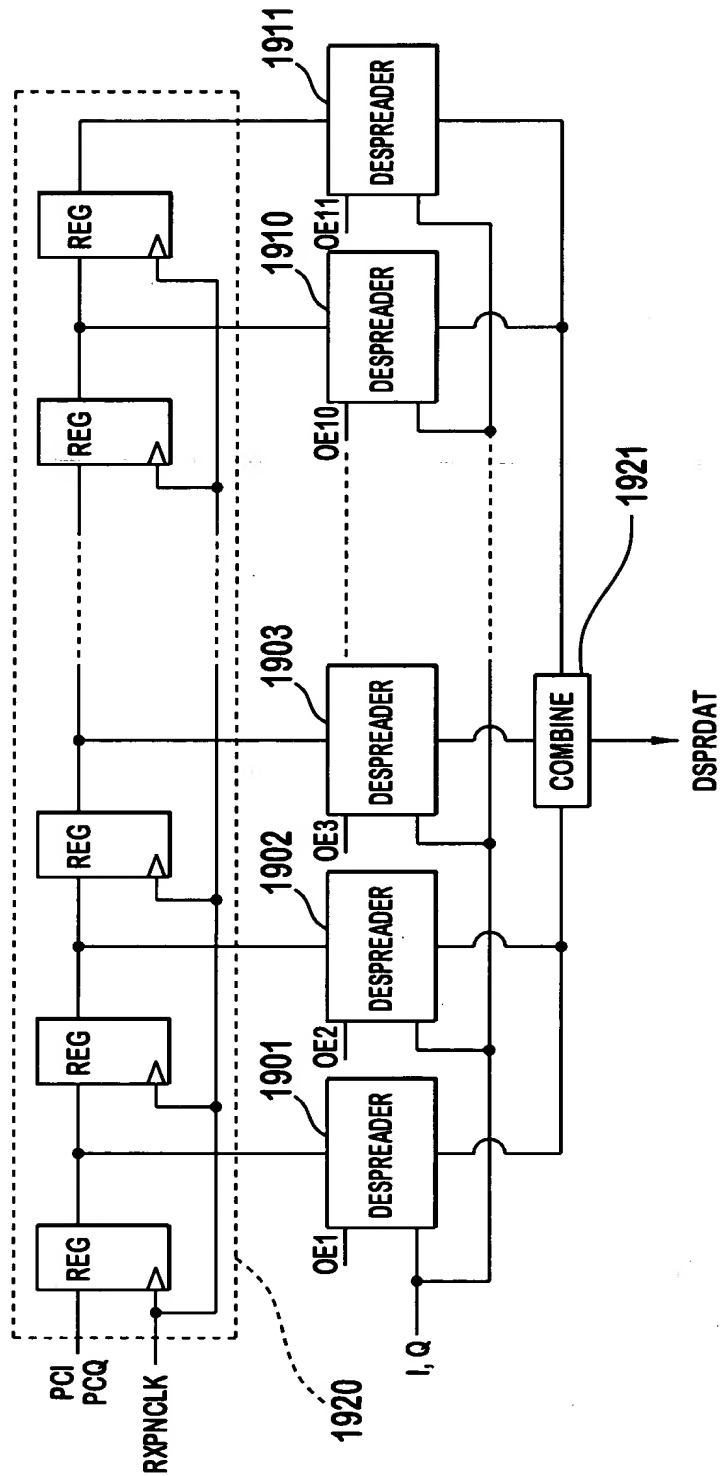


FIG. 19

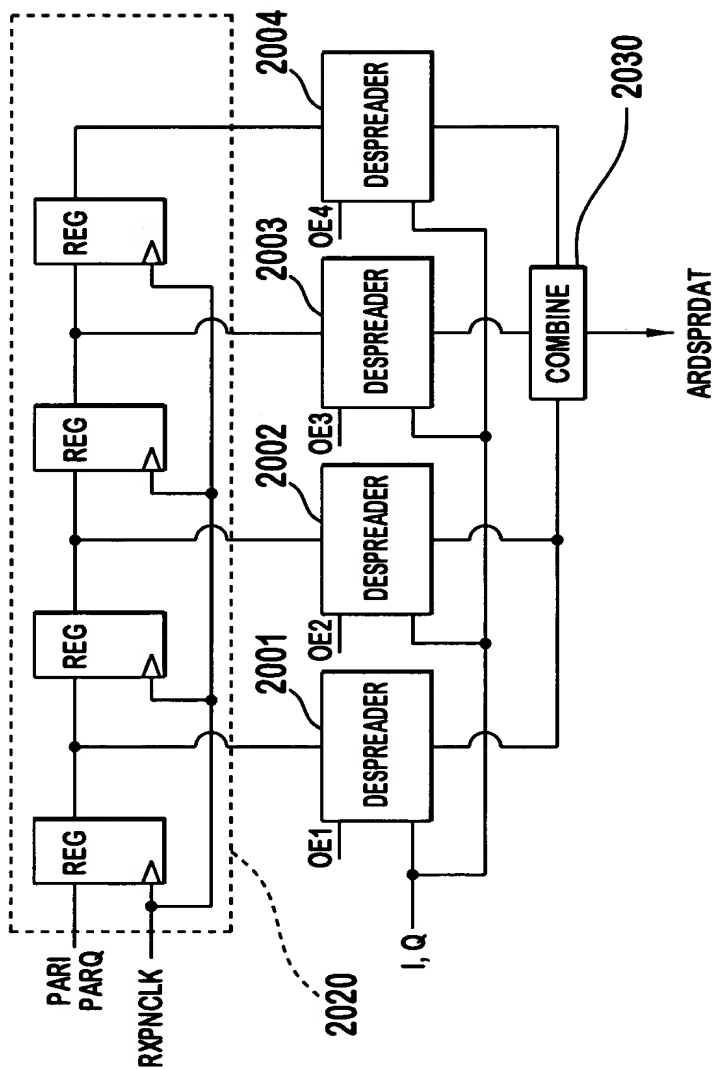
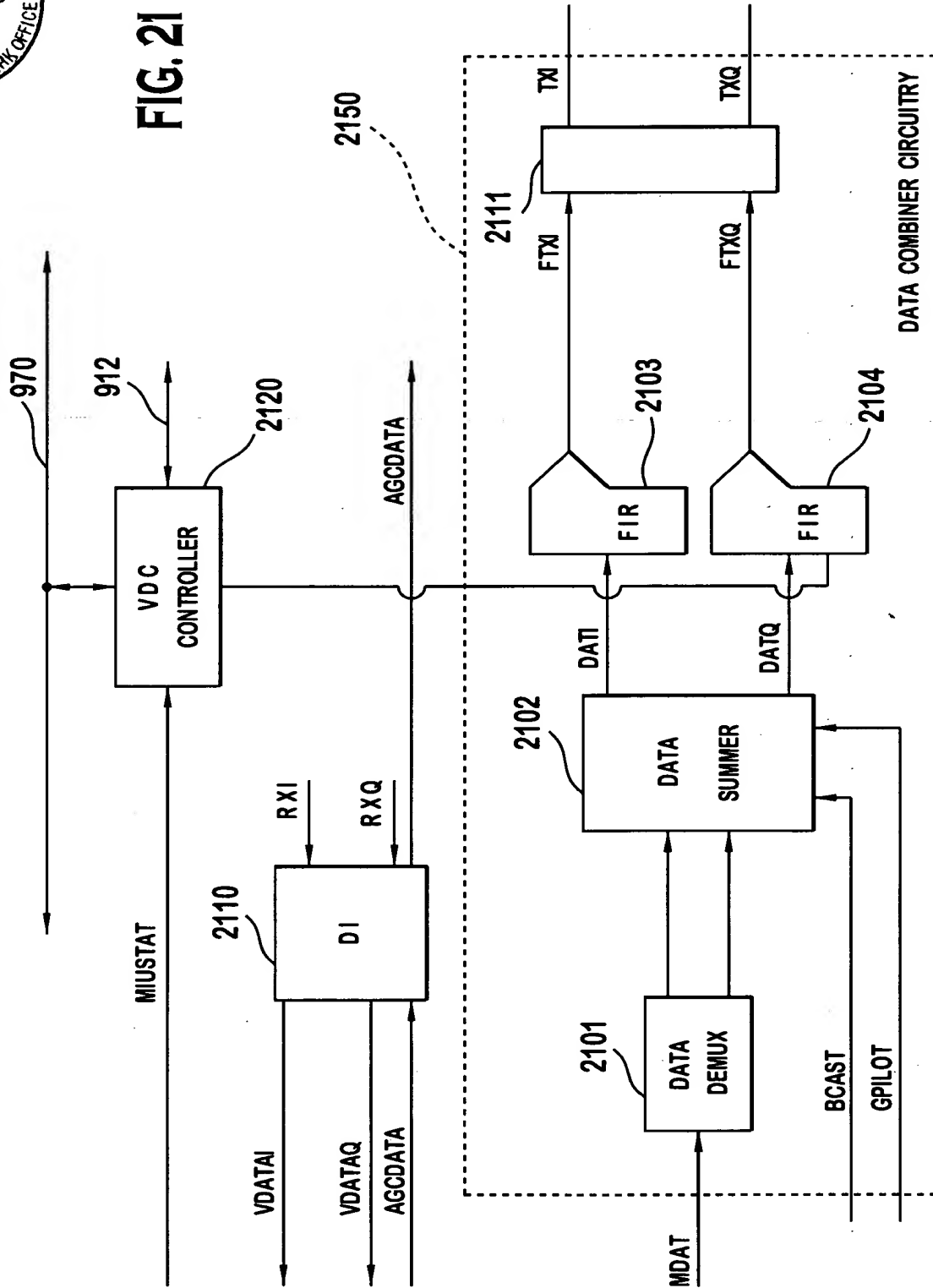


FIG. 20



FIG. 21





REPLACEMENT SHEET

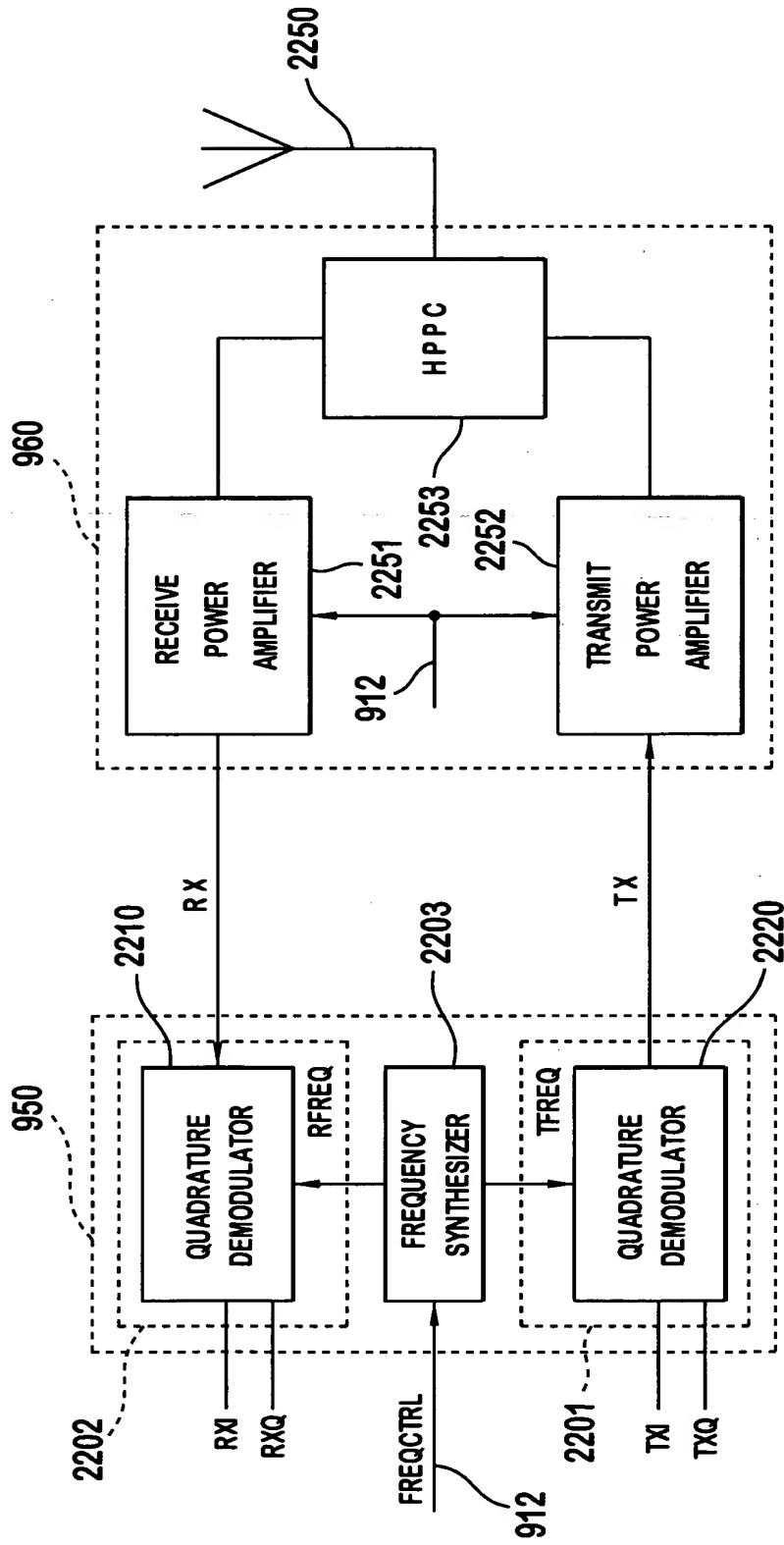


FIG. 22

REPLACEMENT SHEET

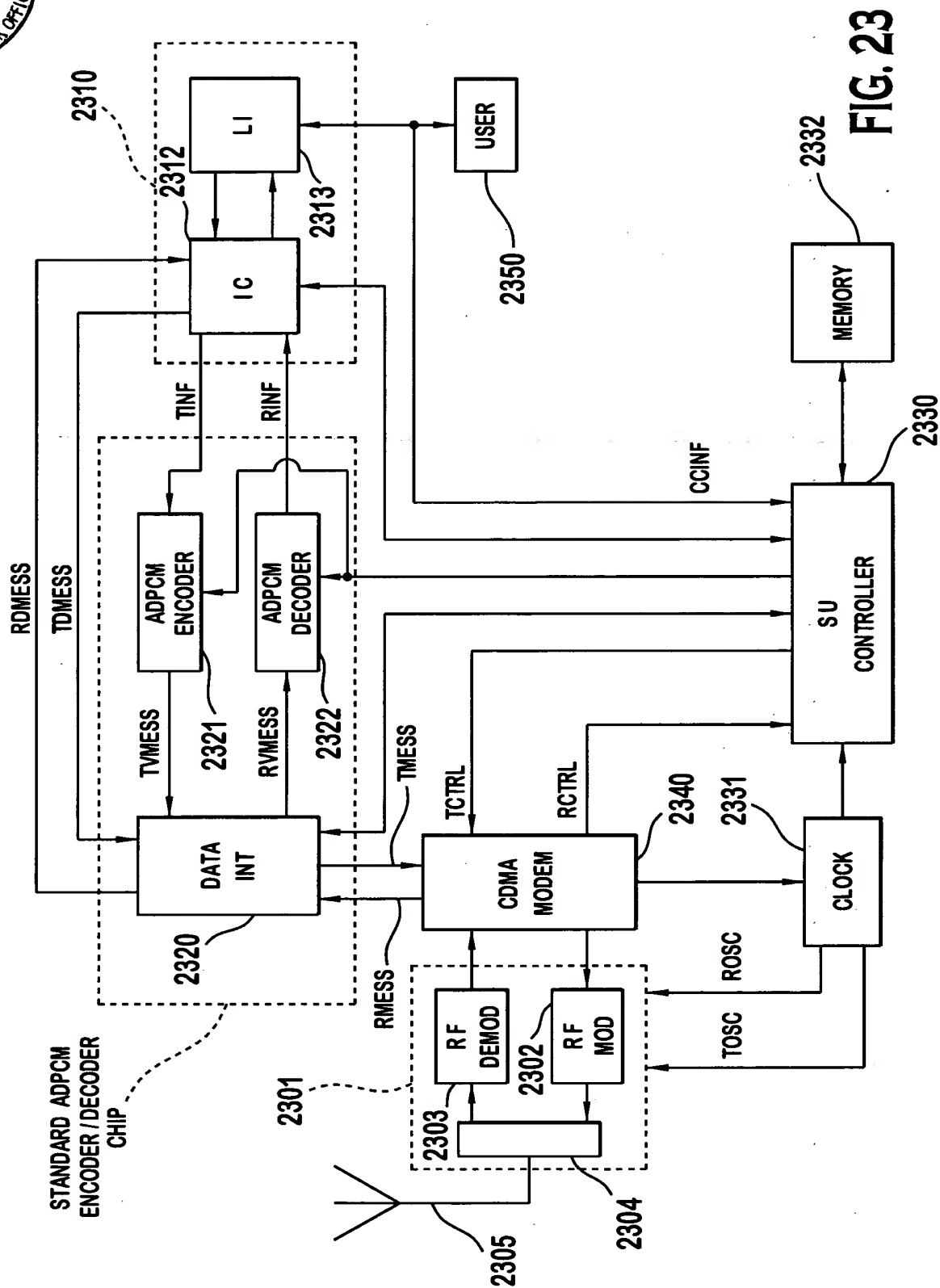


FIG. 23



REPLACEMENT SHEET

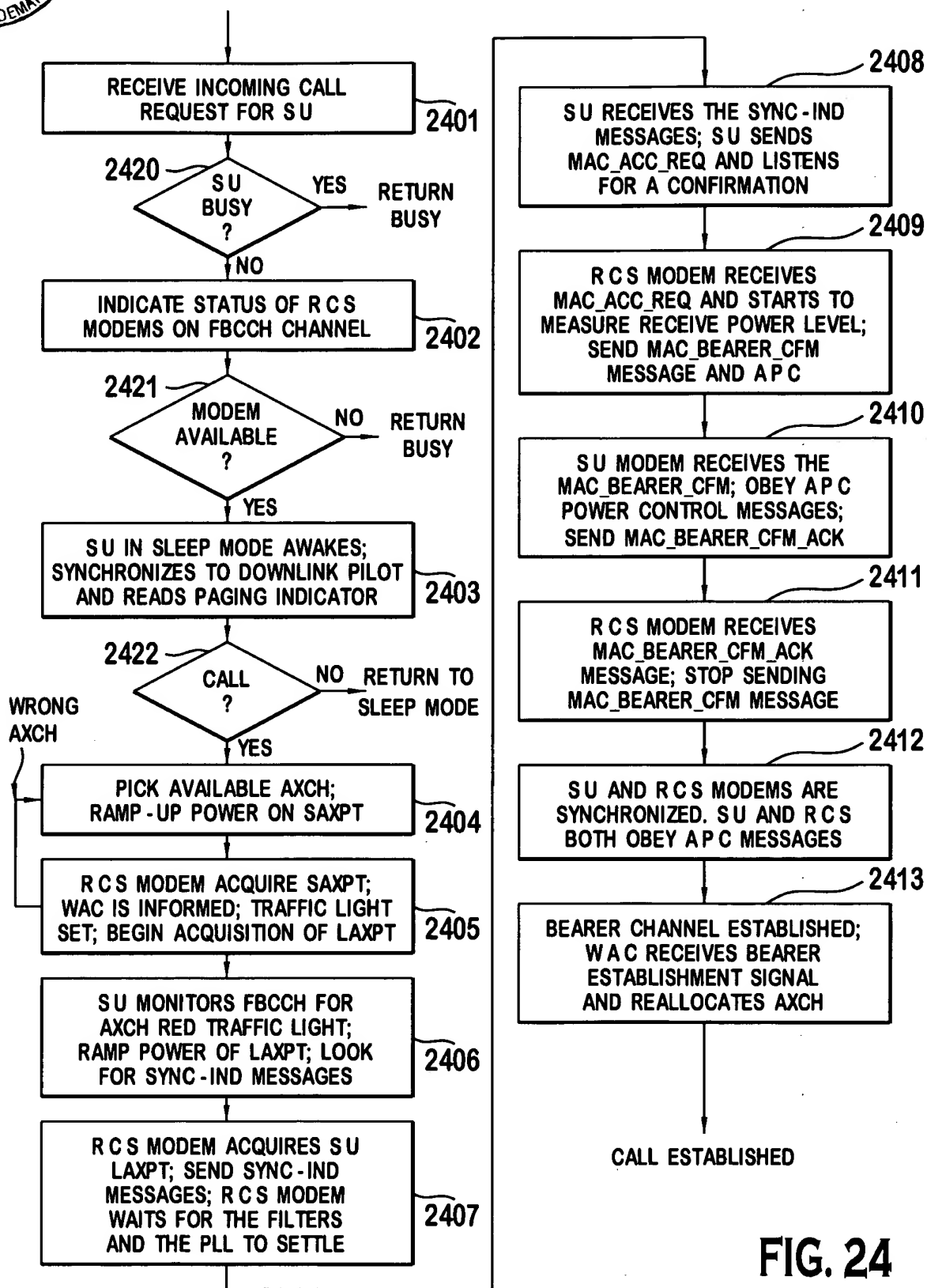


FIG. 24



REPLACEMENT SHEET

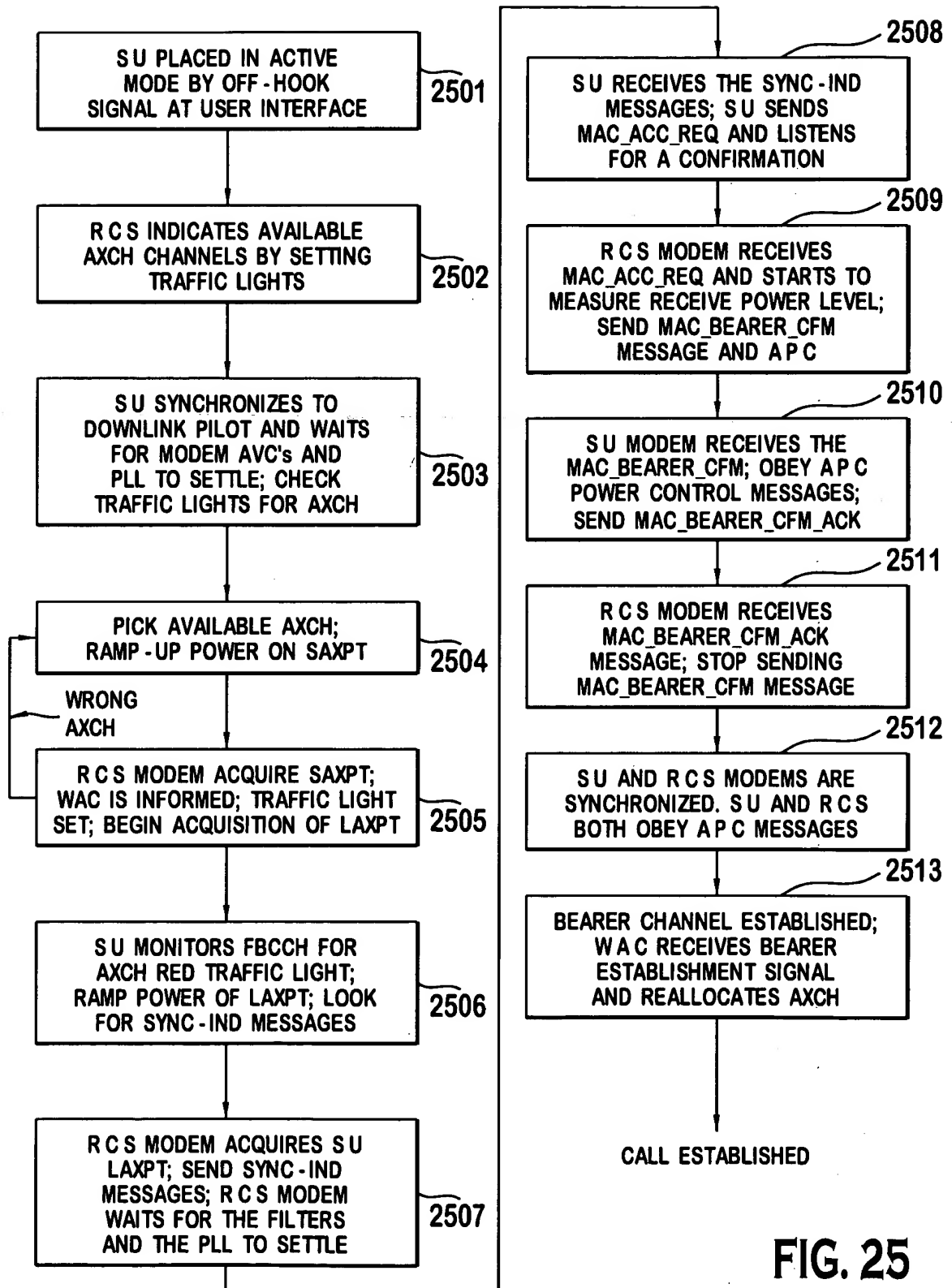


FIG. 25

REPLACEMENT SHEET

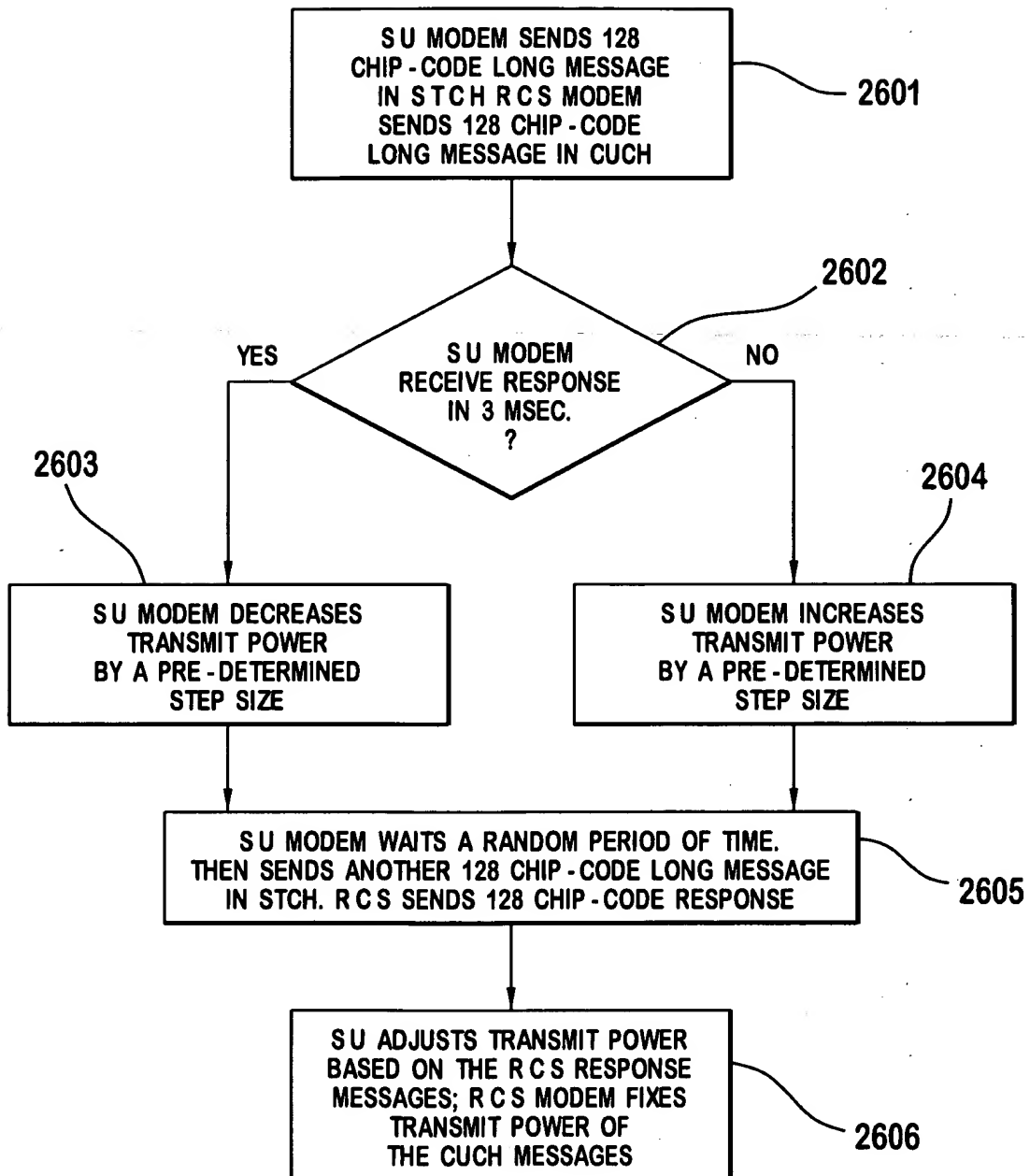


FIG. 26



REPLACEMENT SHEET

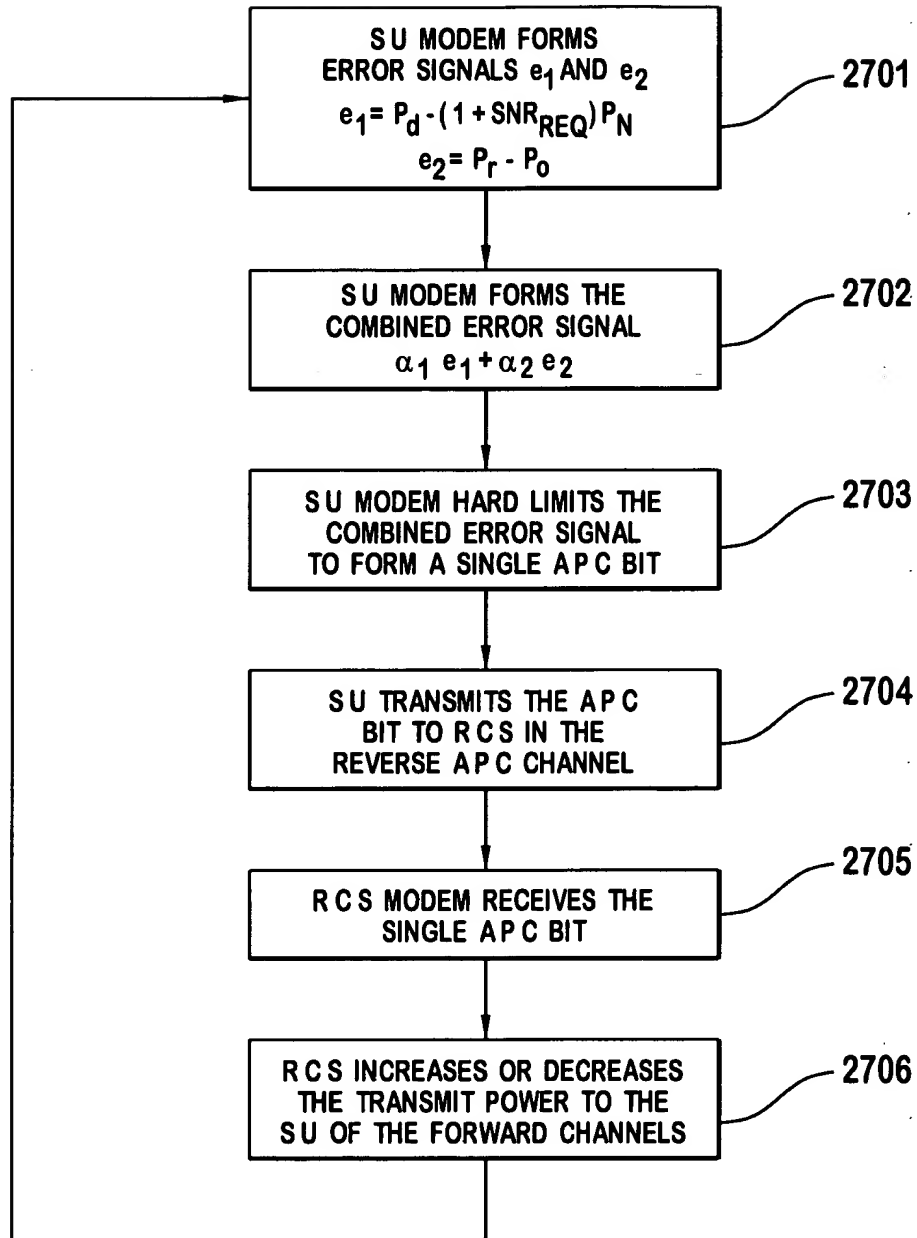


FIG. 27

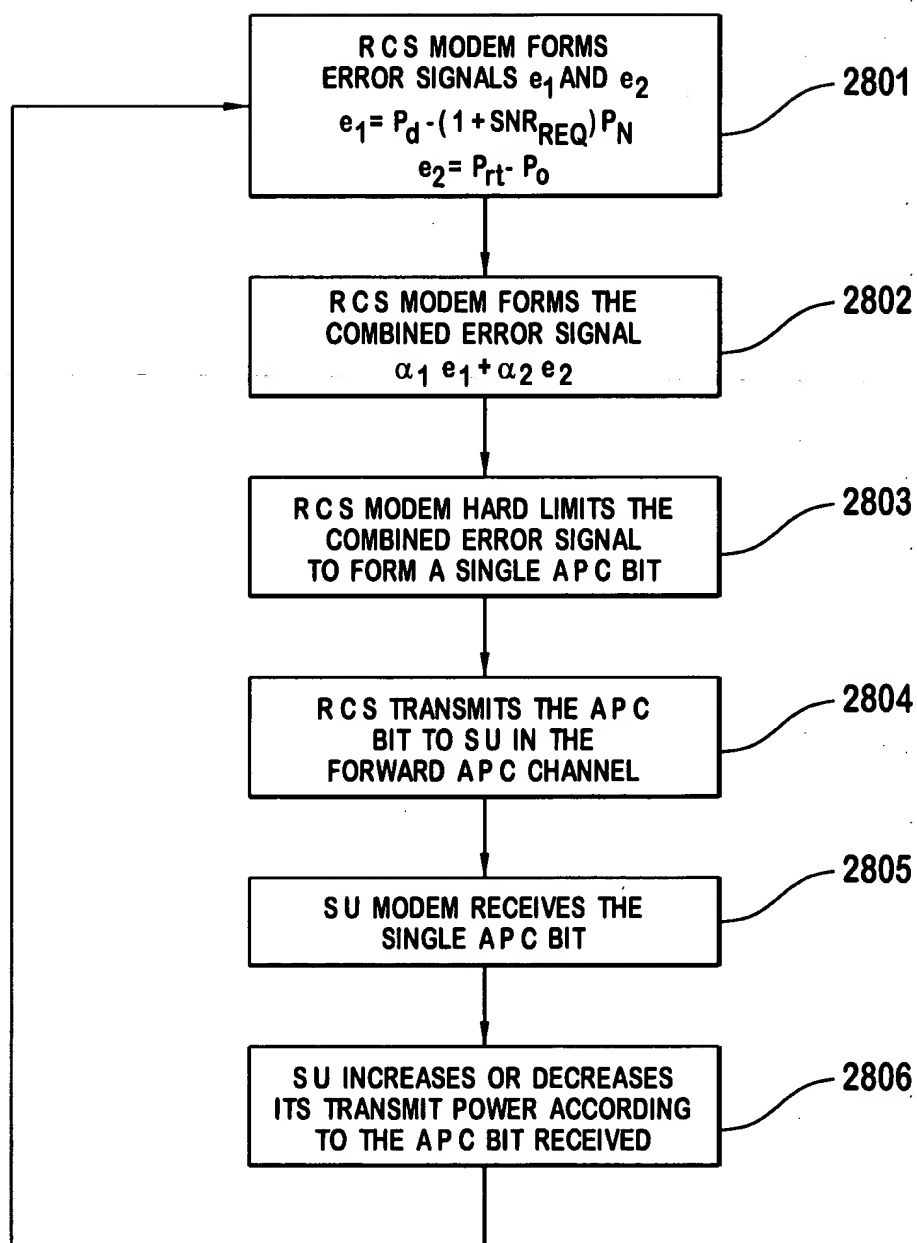
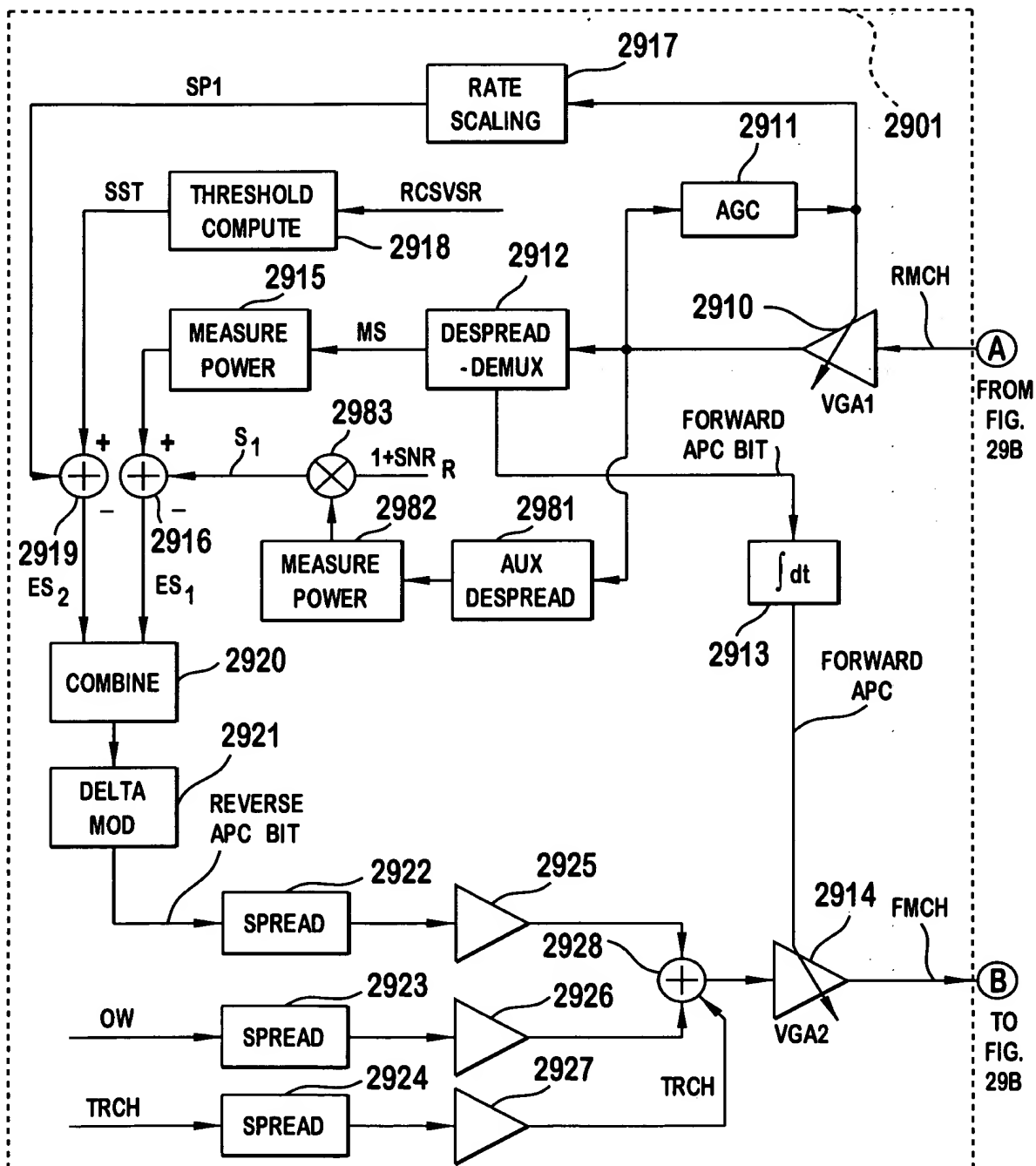


FIG. 28



REPLACEMENT SHEET

FIG. 29A





REPLACEMENT SHEET

FIG. 30A

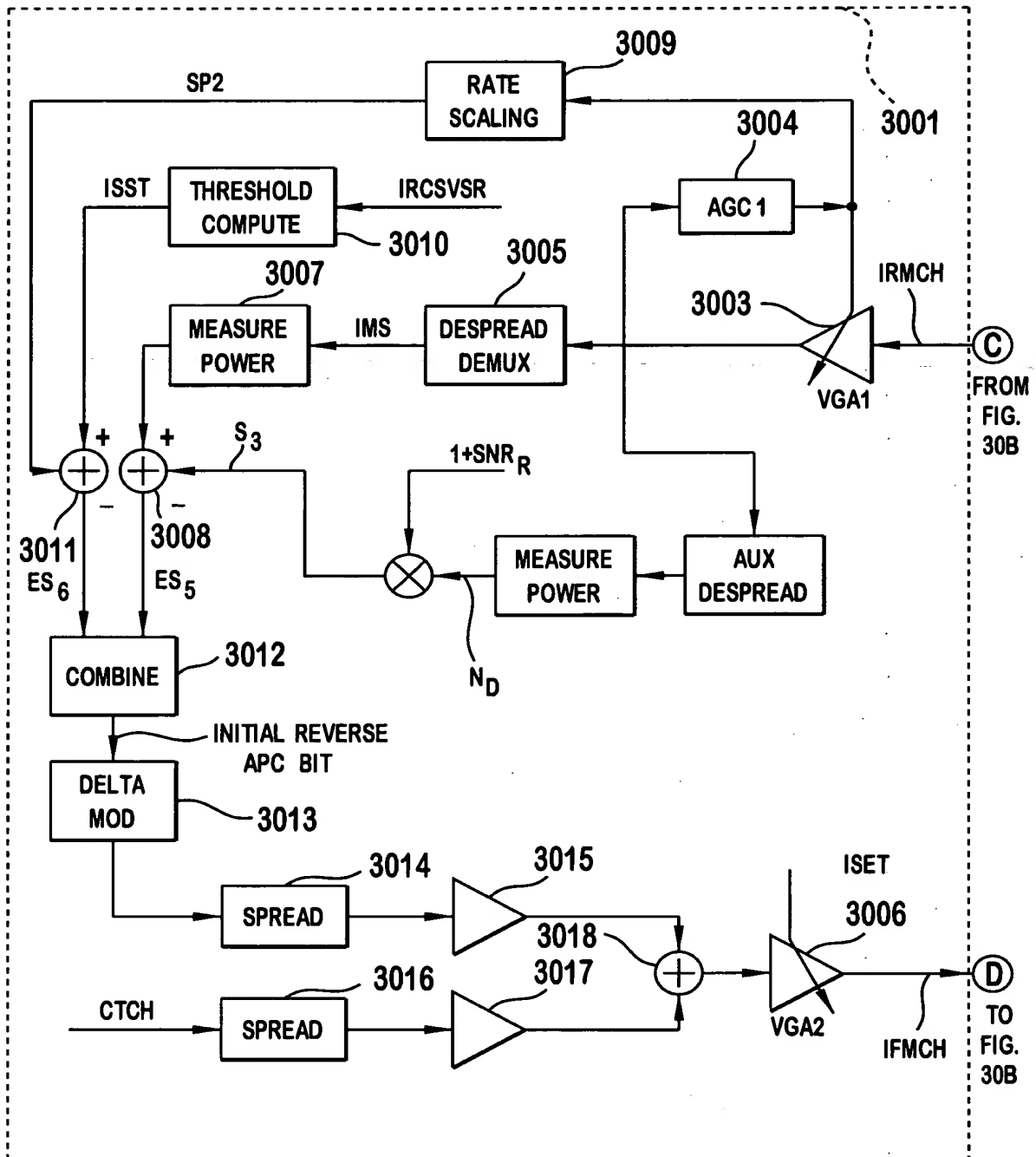




FIG. 30B

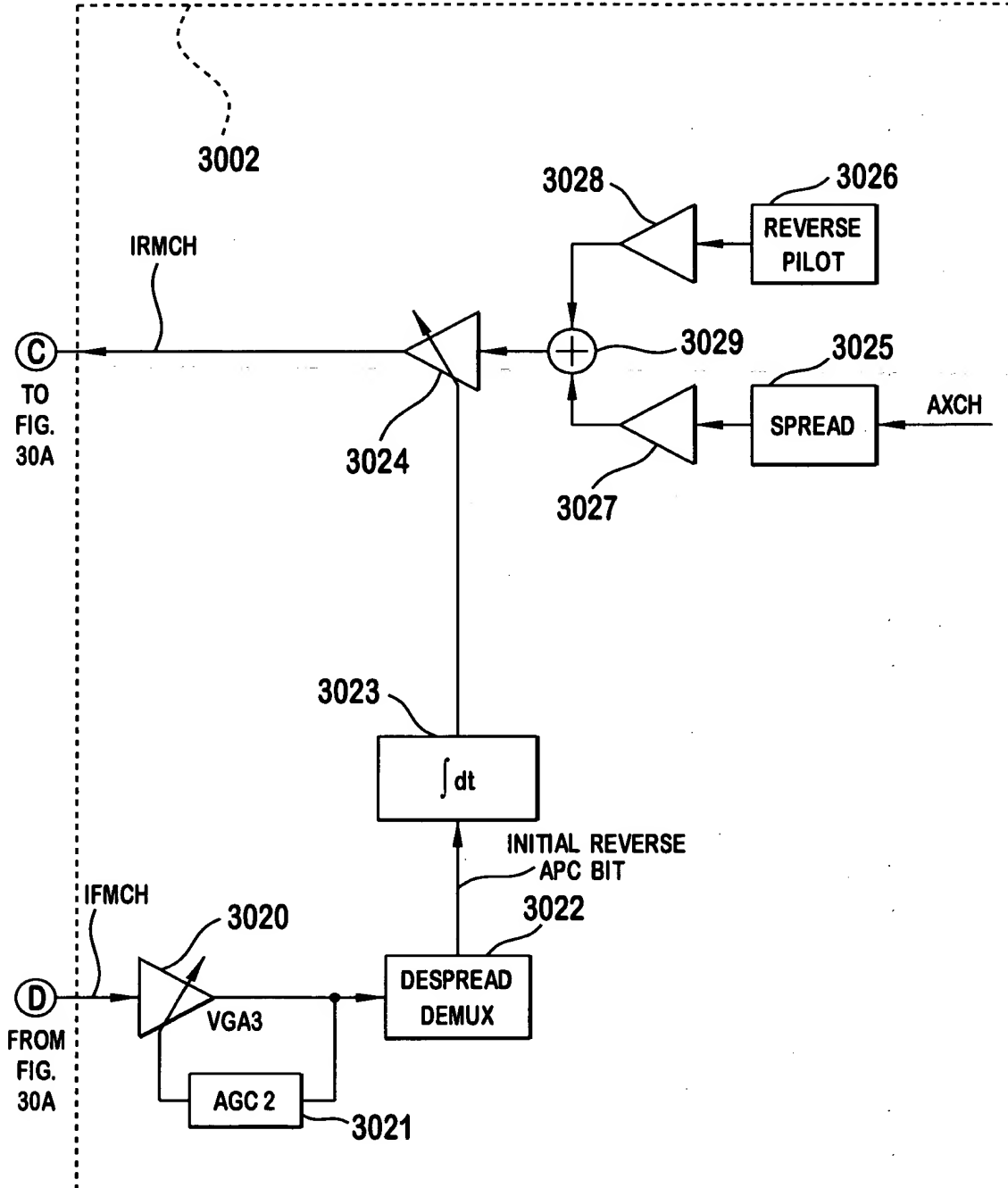
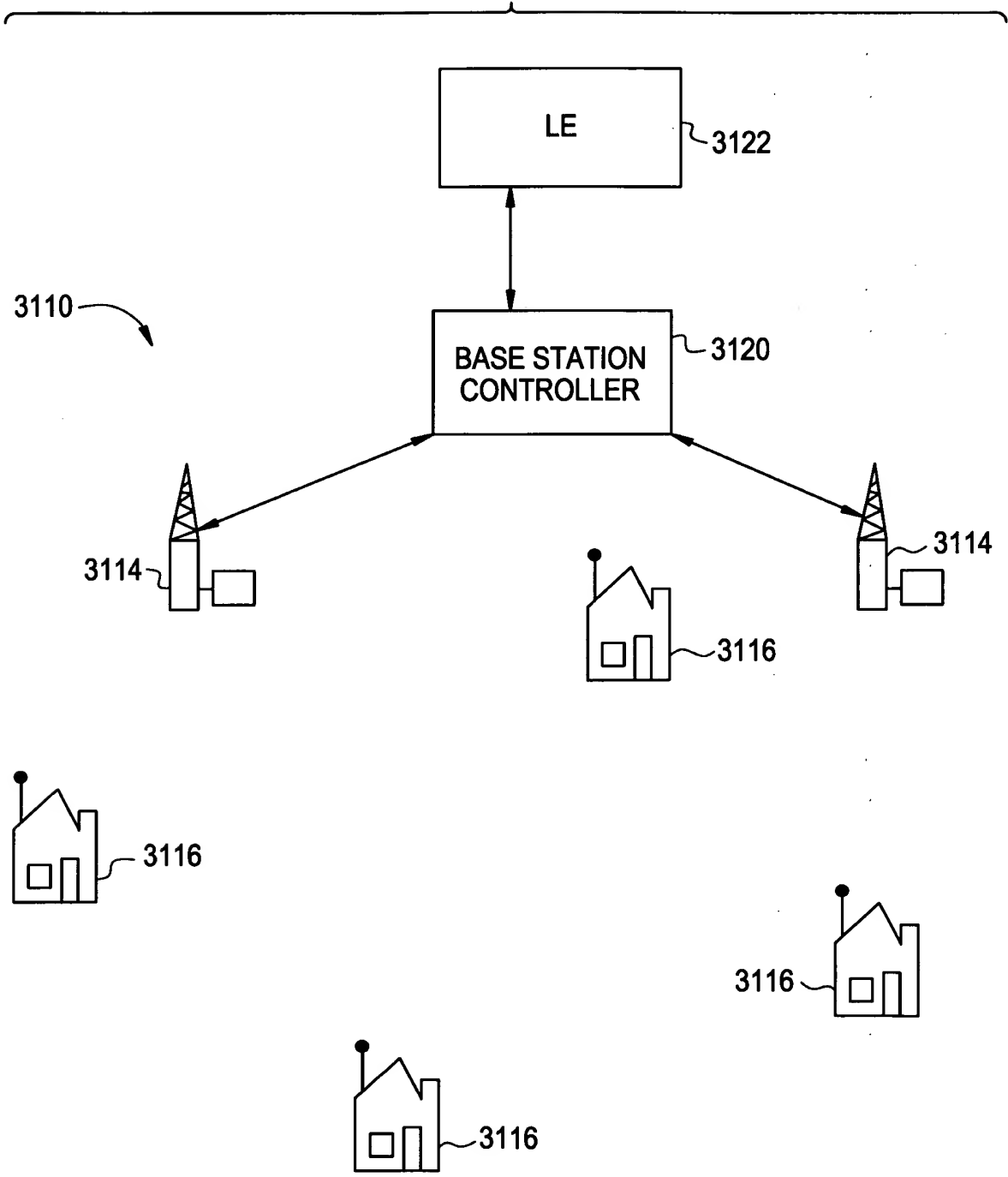




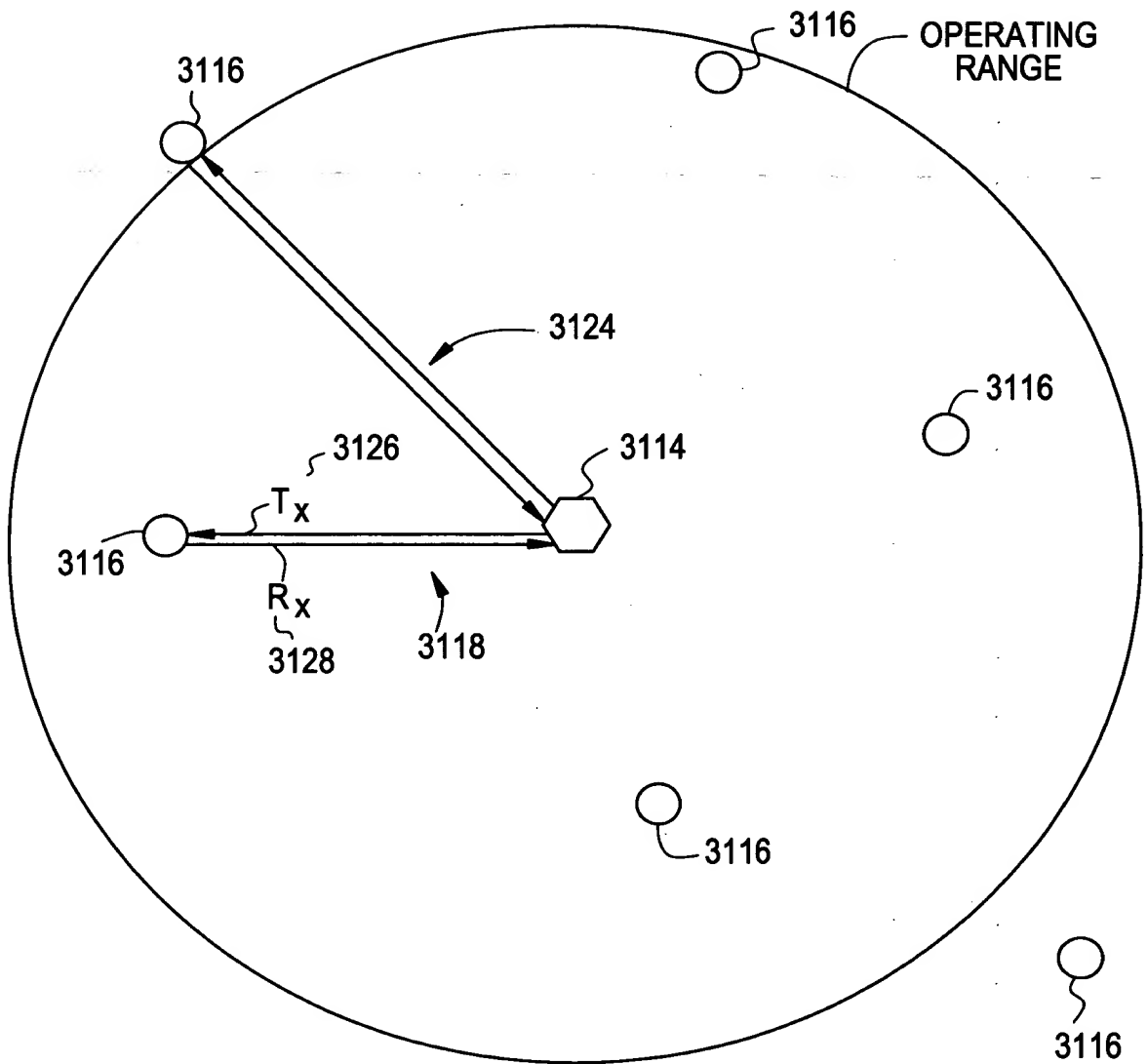
FIG. 31





REPLACEMENT SHEET

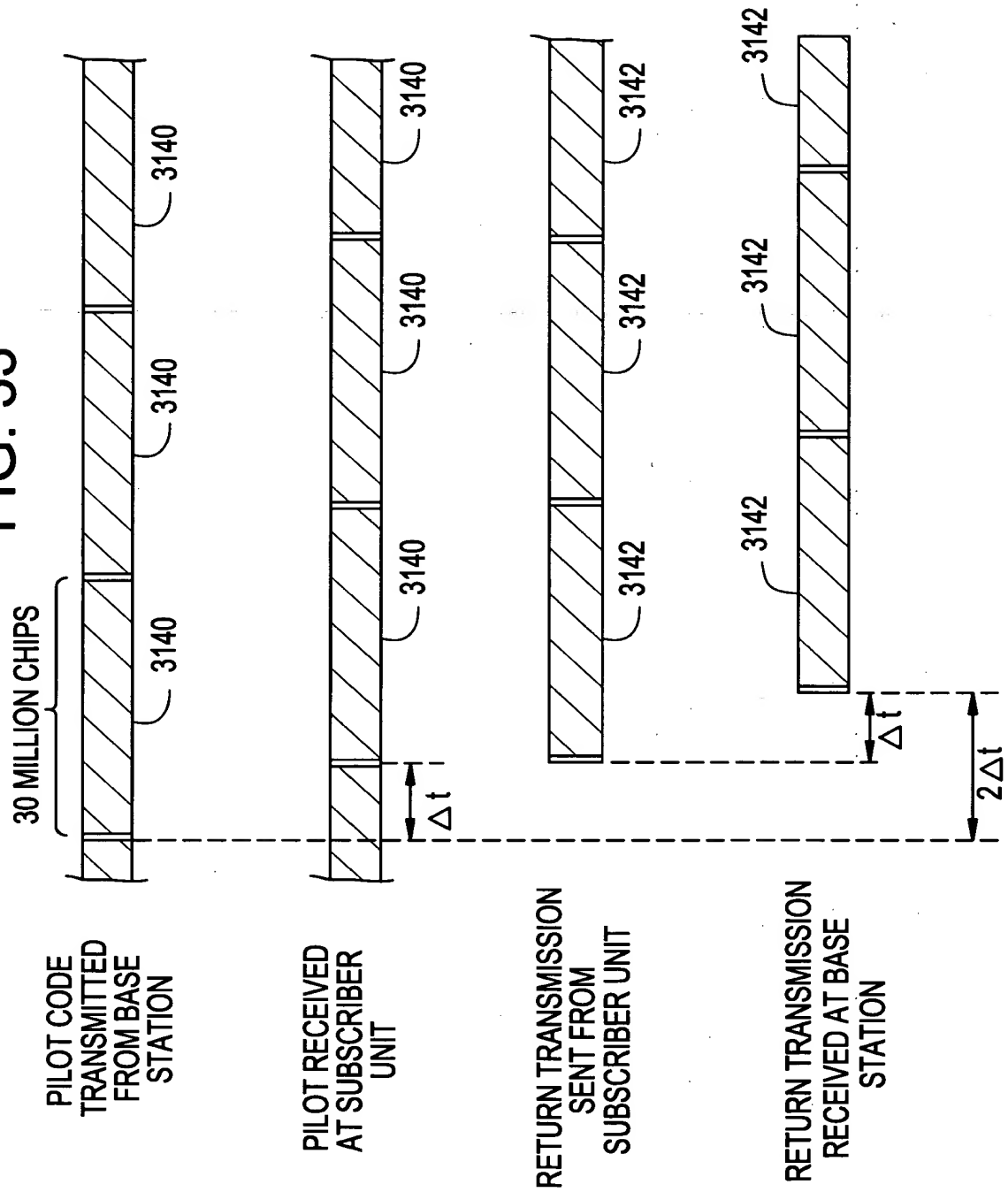
FIG. 32





REPLACEMENT SHEET

FIG. 33





REPLACEMENT SHEET

FIG. 34

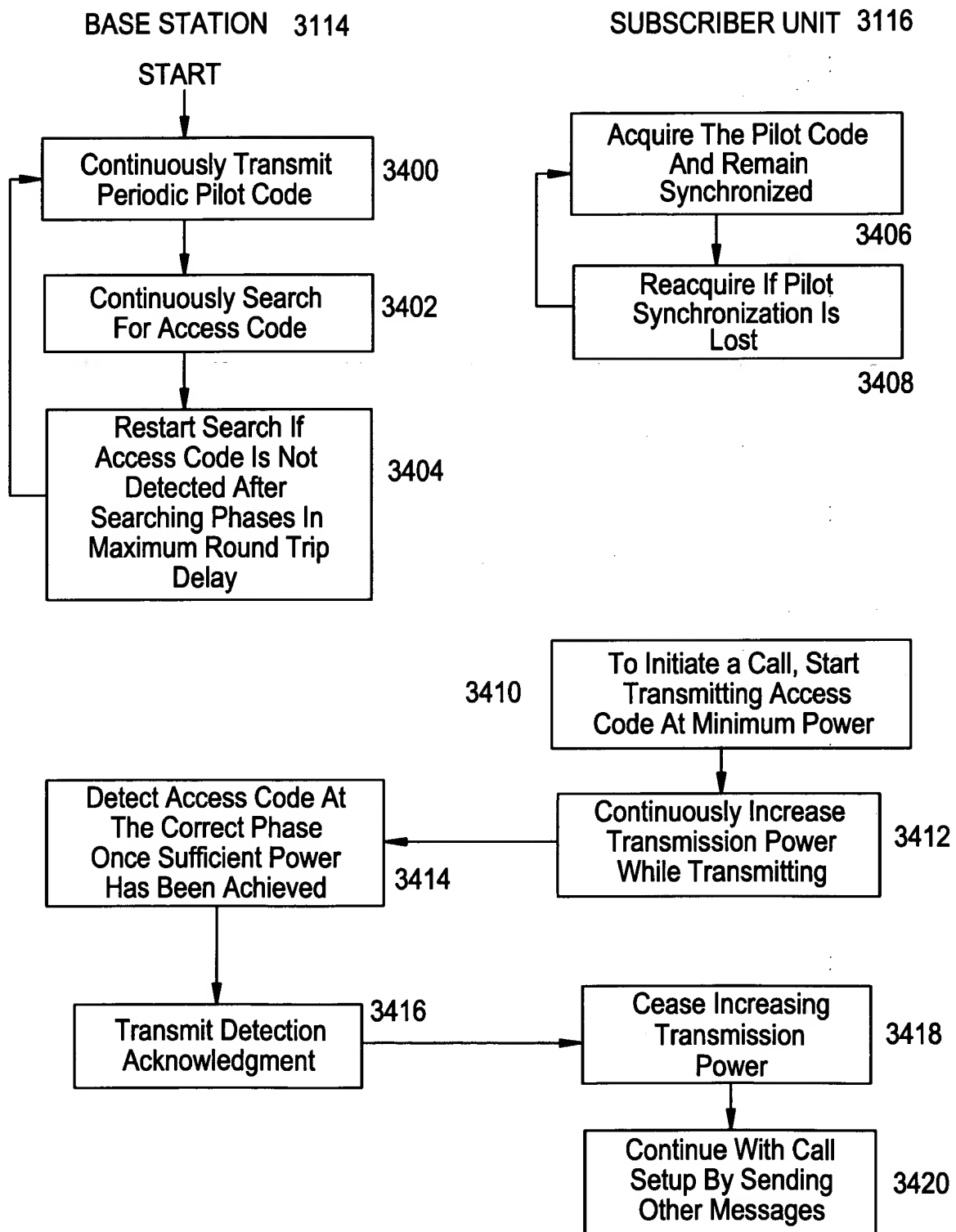




FIG. 35

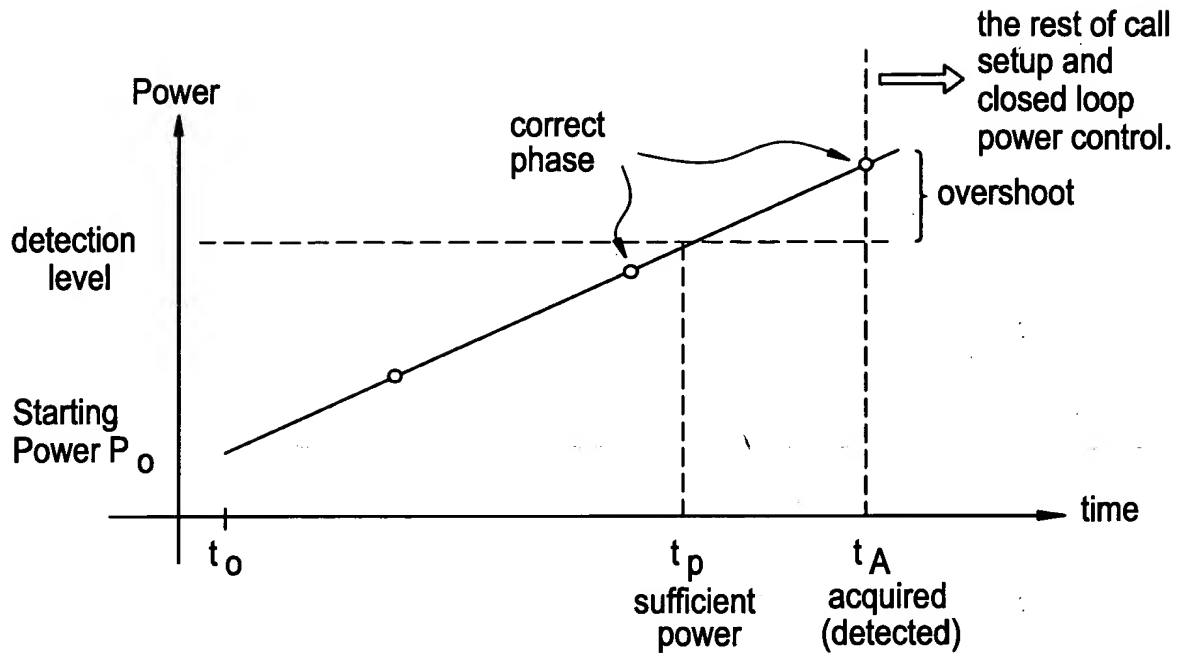
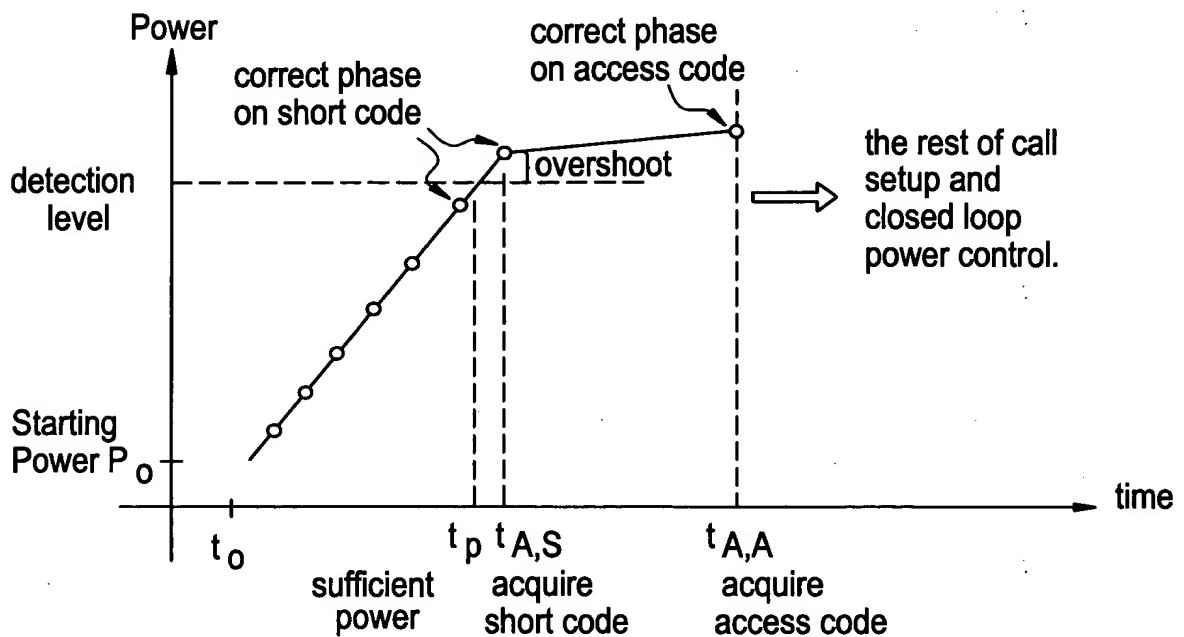


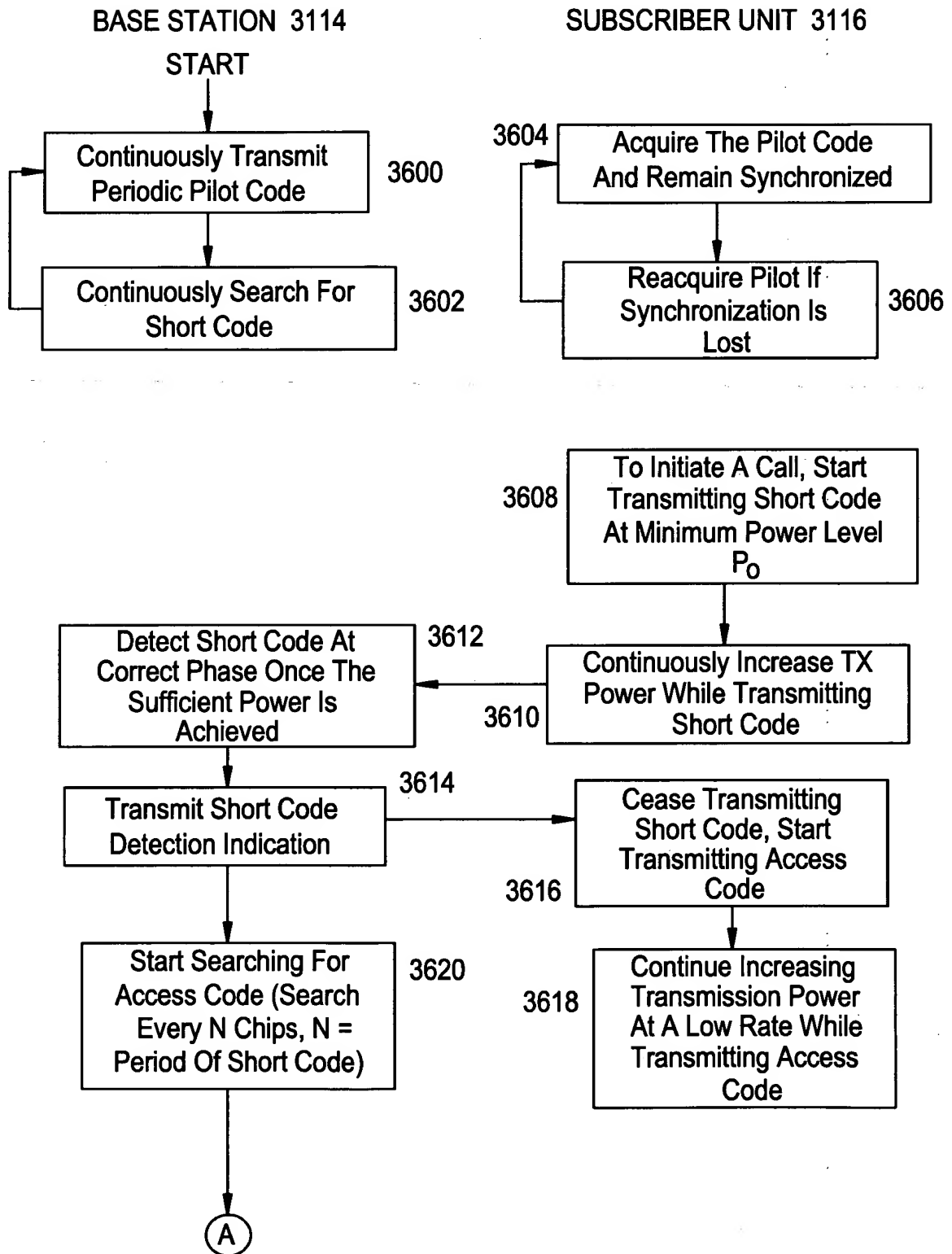
FIG. 37





REPLACEMENT SHEET

FIG. 36A





REPLACEMENT SHEET

FIG. 36B

BASE STATION 3114

SUBSCRIBER UNIT 3116

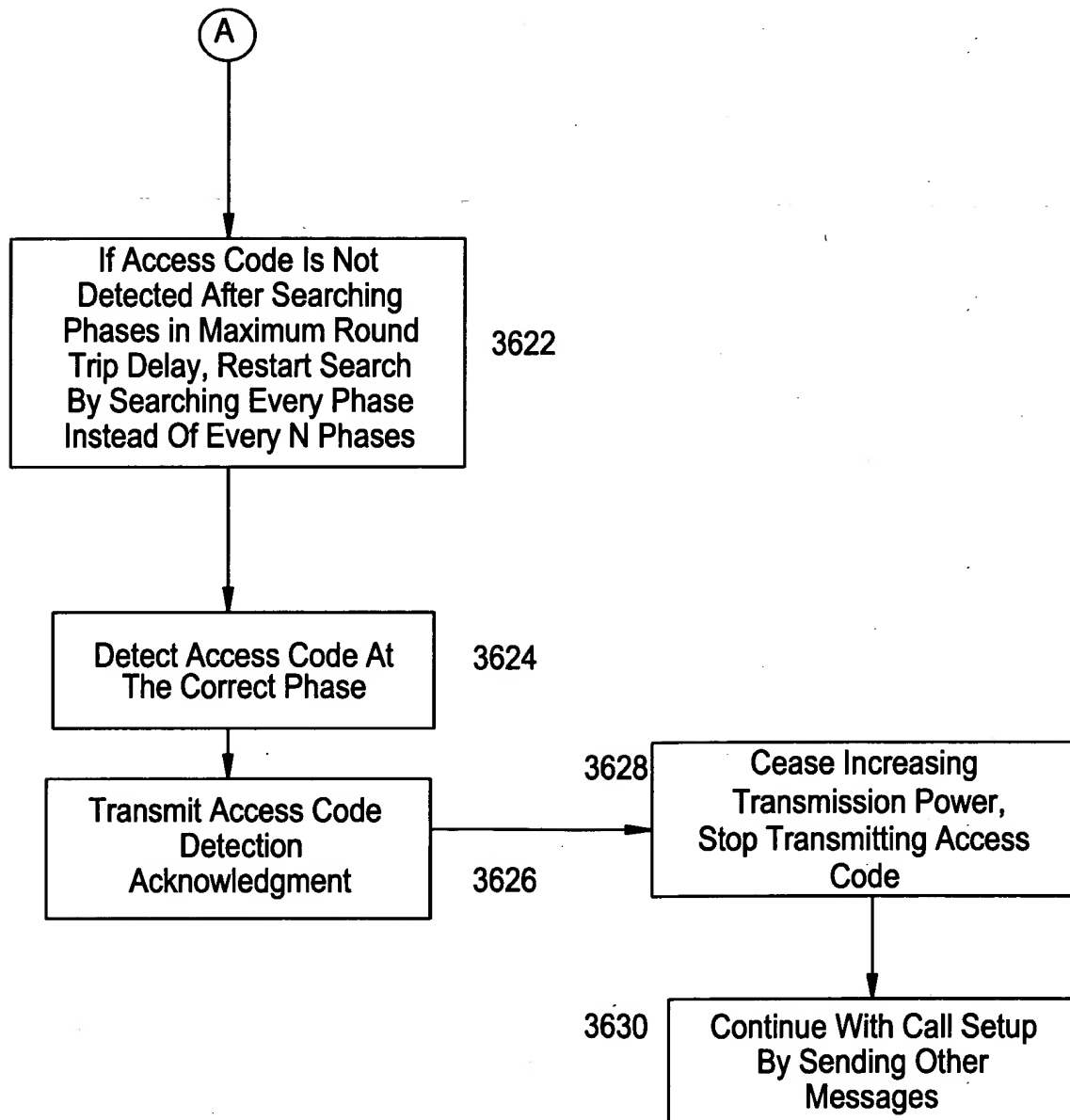


FIG. 38

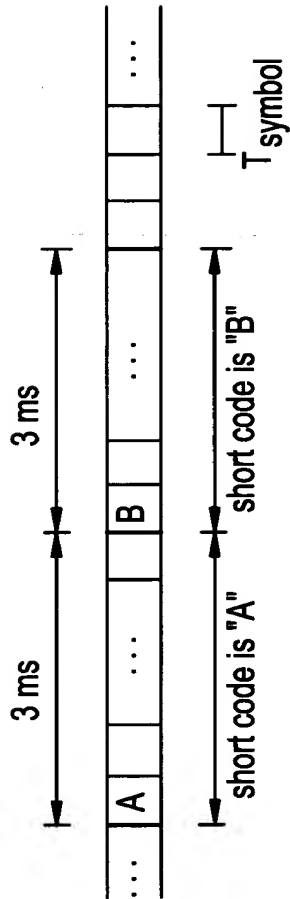


FIG. 39

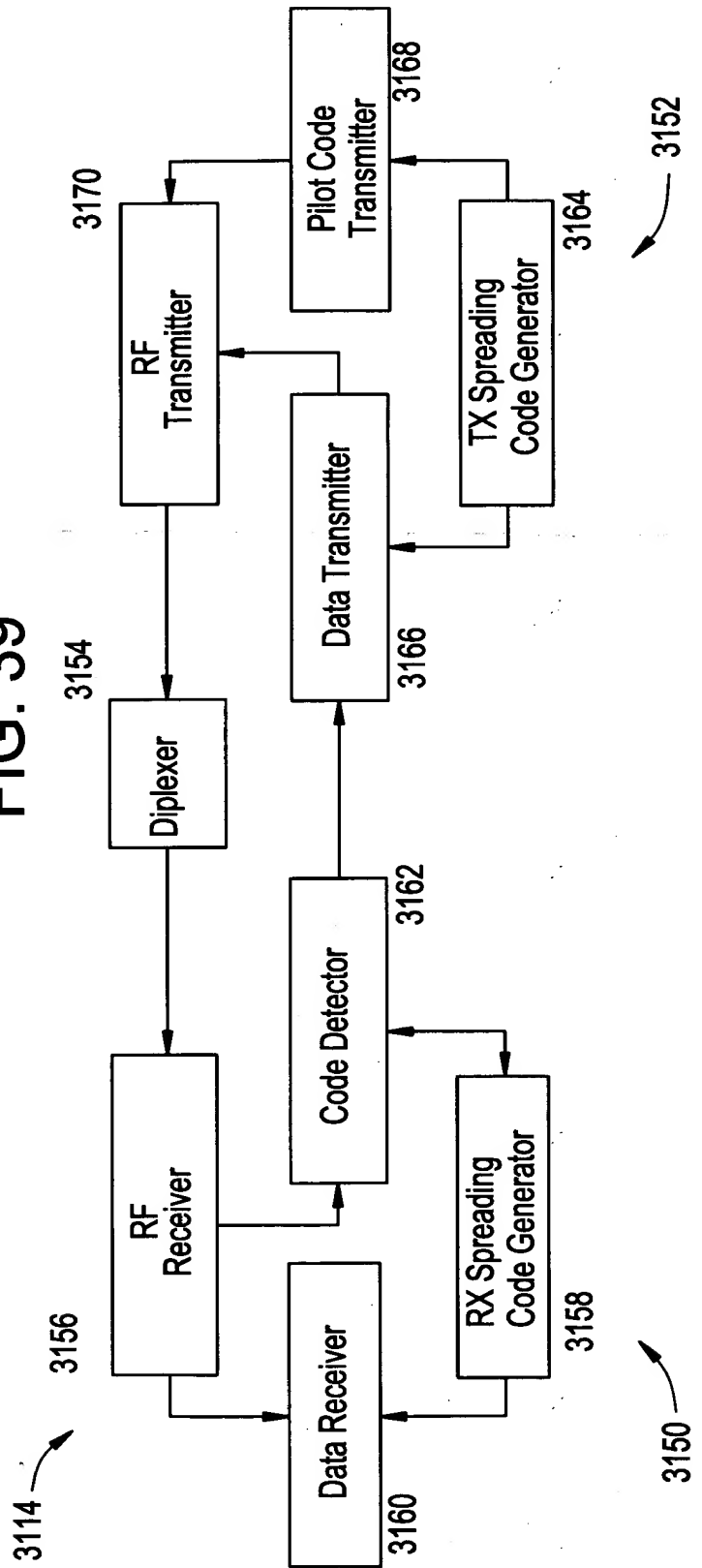
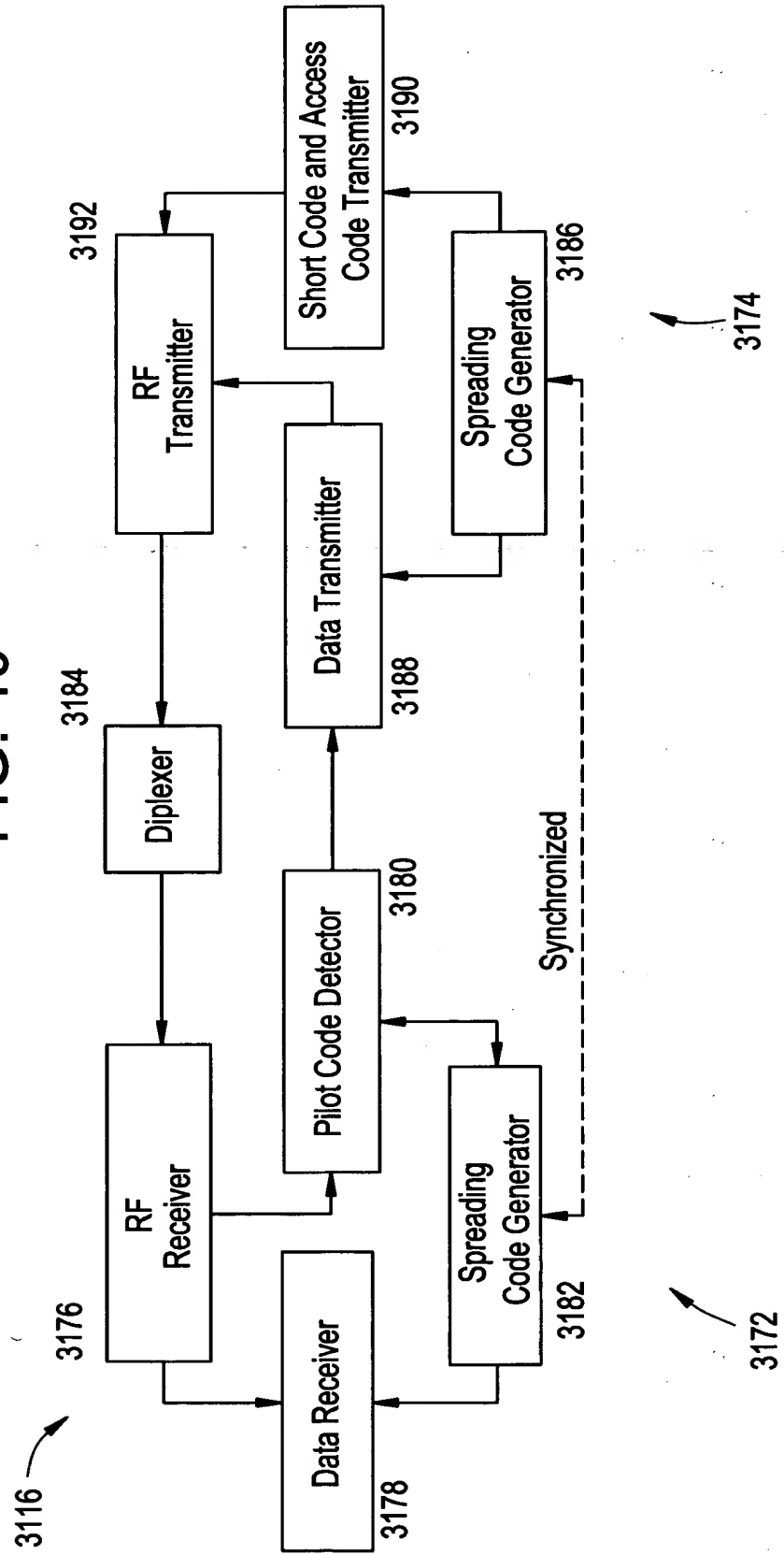




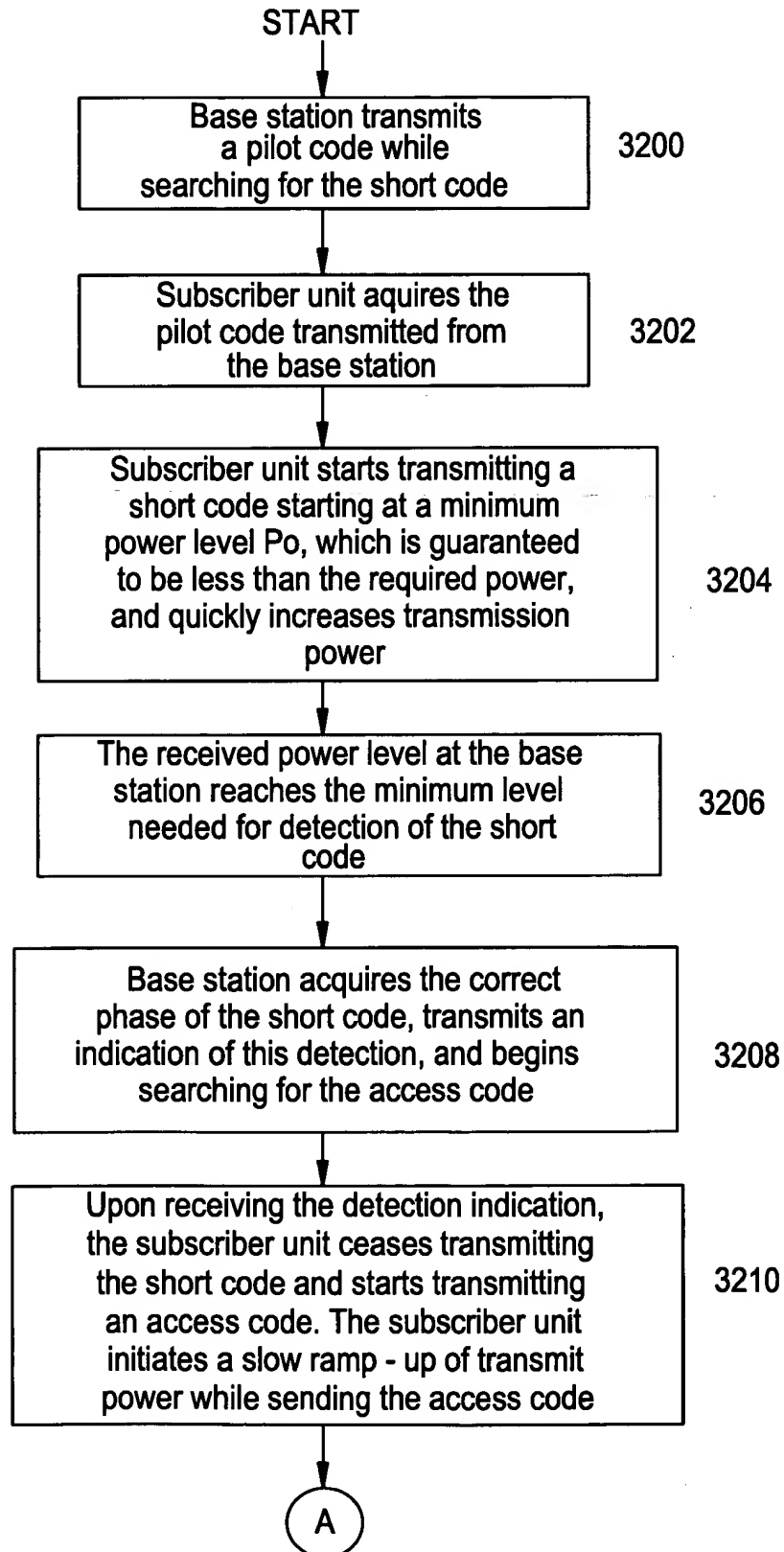
FIG. 40





REPLACEMENT SHEET

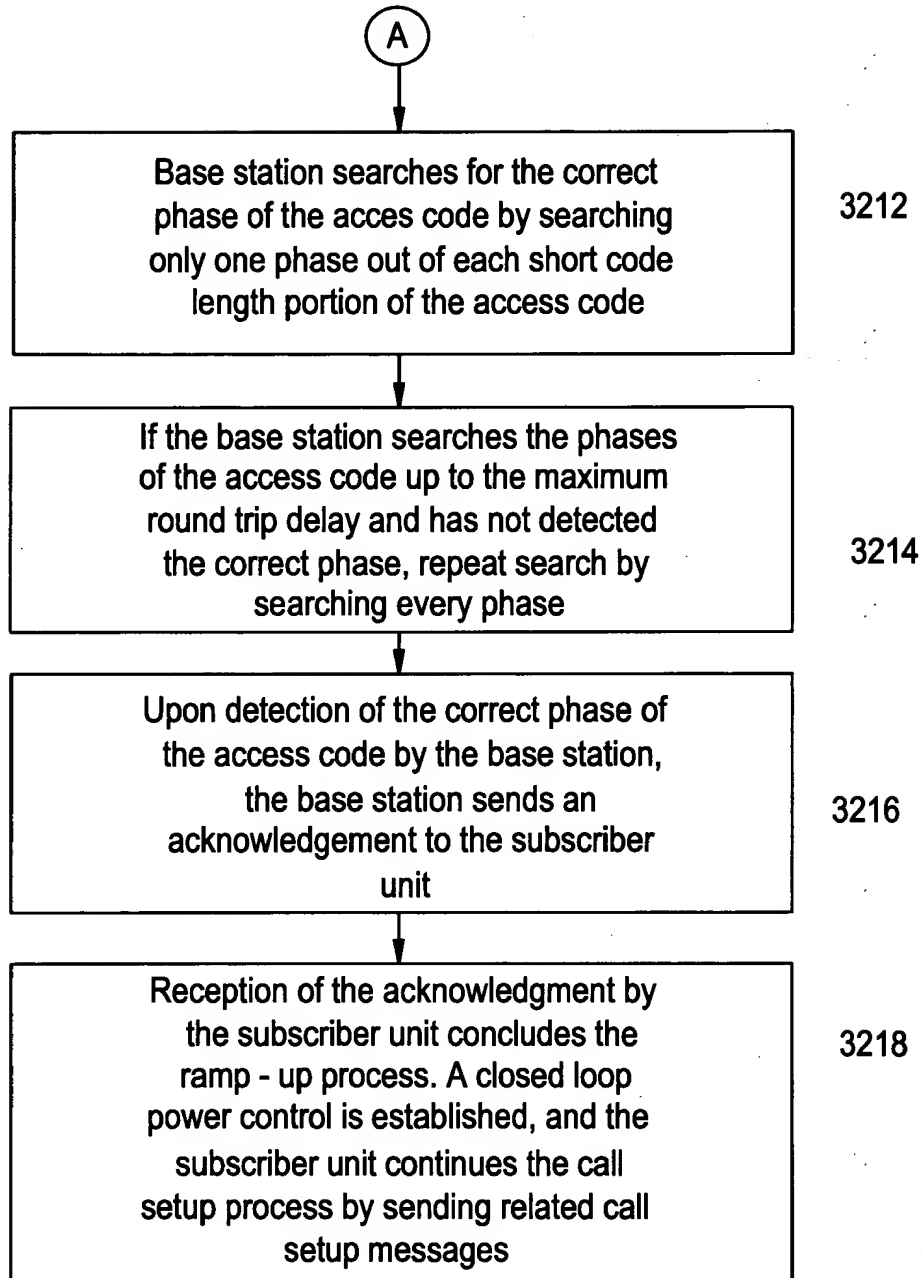
FIG. 41A





REPLACEMENT SHEET

FIG. 41B



REPLACEMENT SHEET

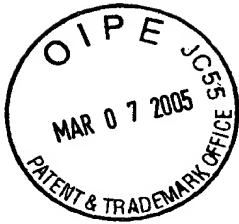
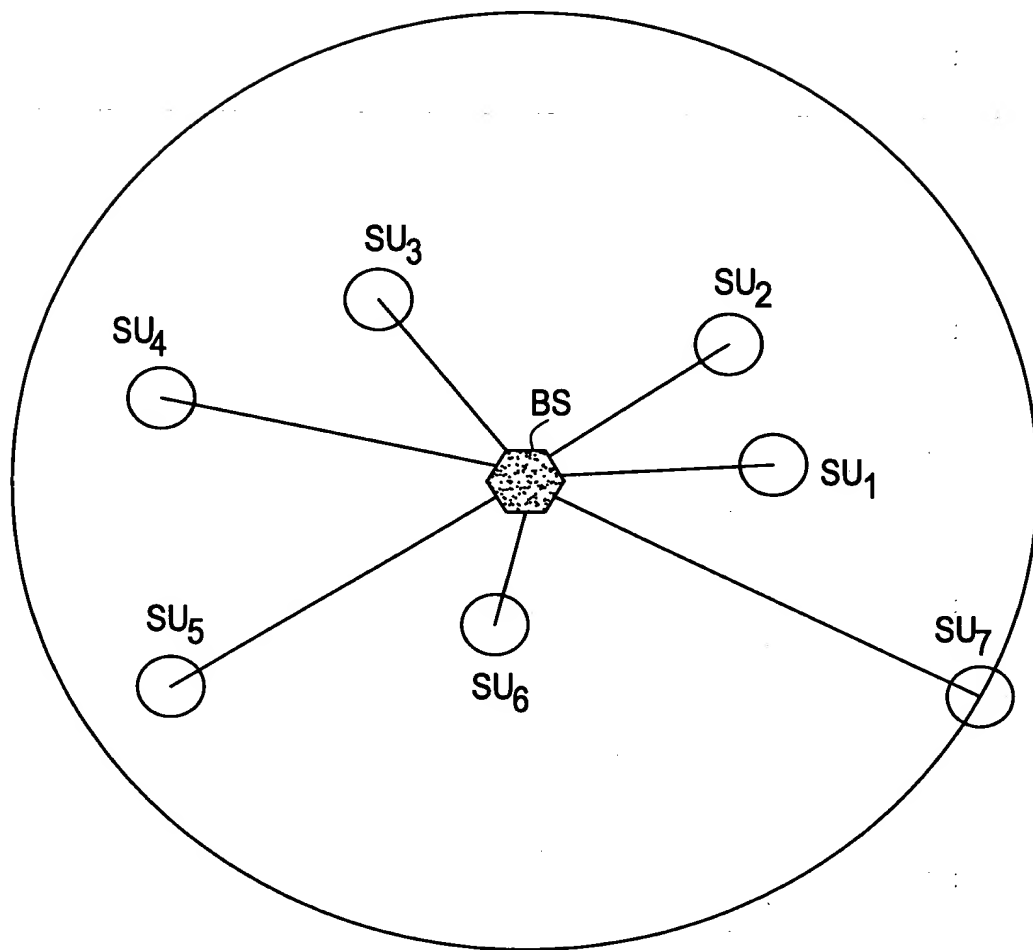


FIG. 42
PRIOR ART

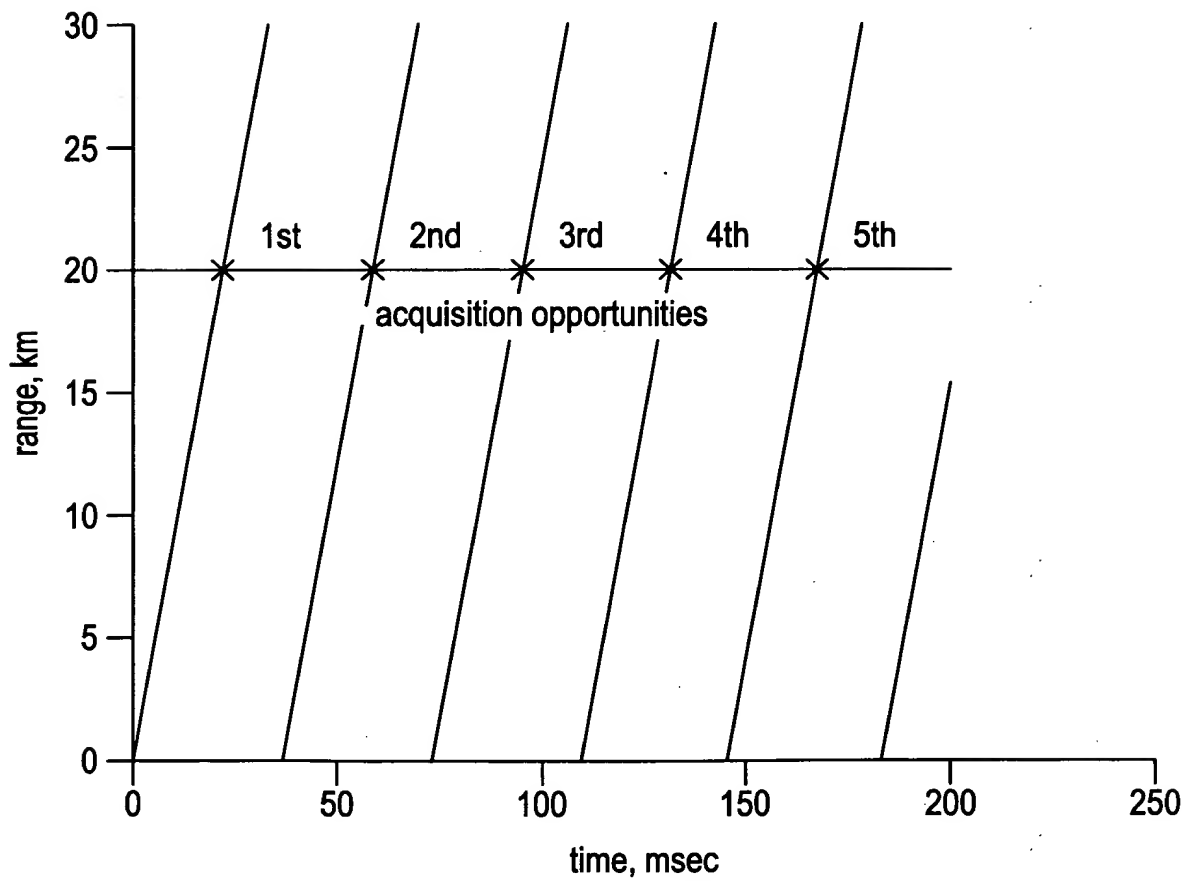


REPLACEMENT SHEET



FIG. 43
PRIOR ART

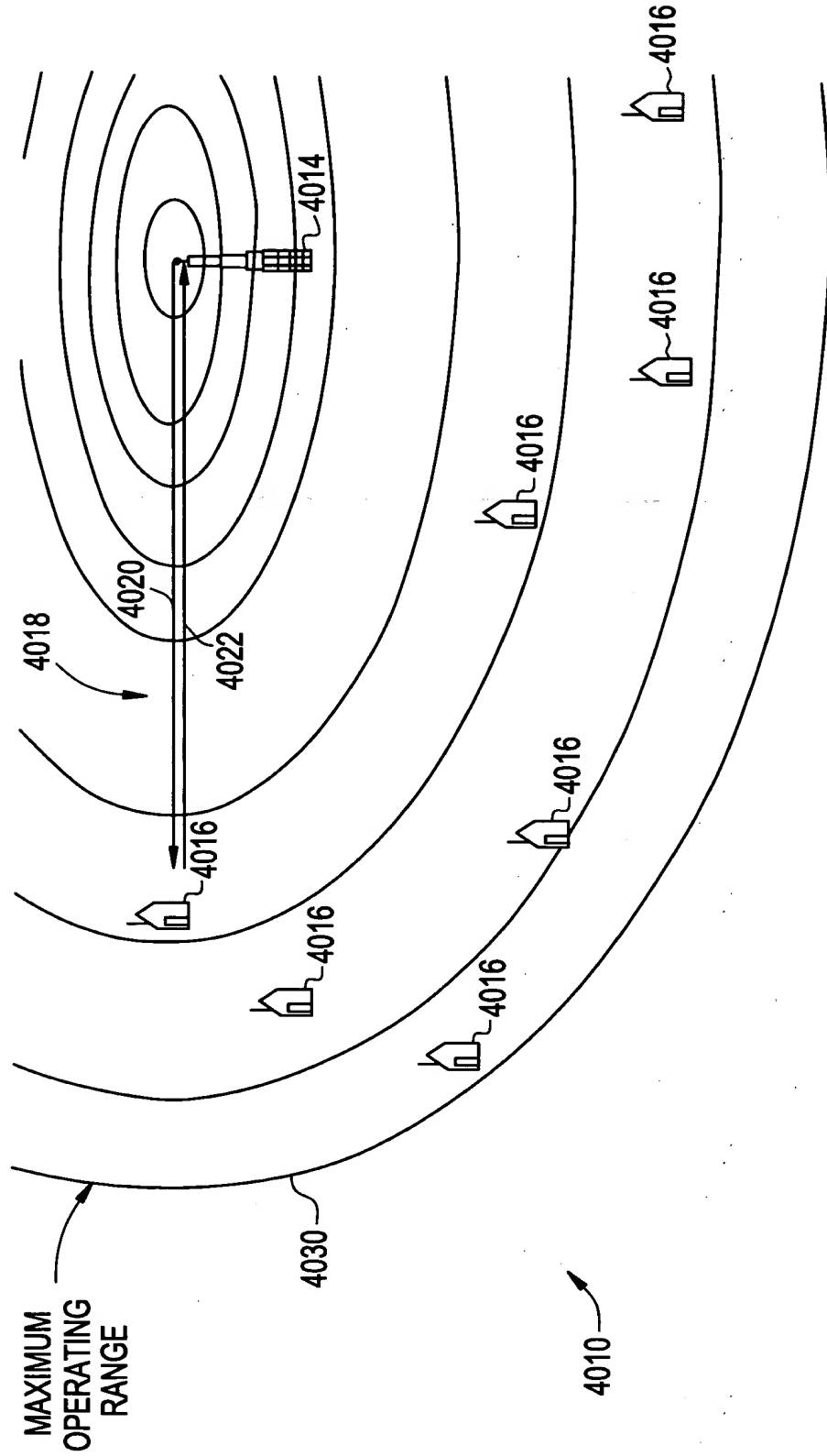
Mean Cell Sweep Time, FSU @ 20 KM





REPLACEMENT SHEET

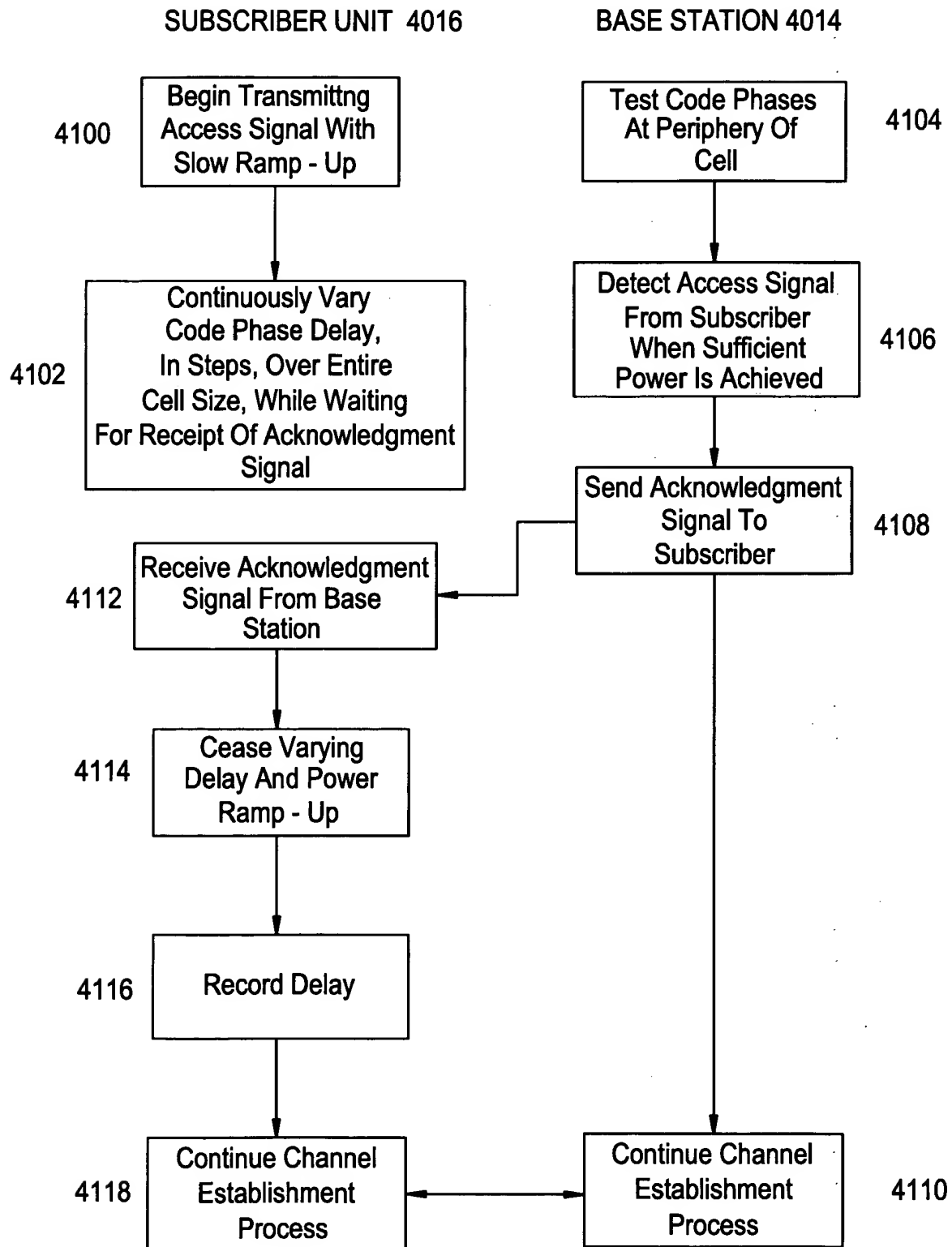
FIG. 44





REPLACEMENT SHEET

FIG. 45





REPLACEMENT SHEET

FIG. 46

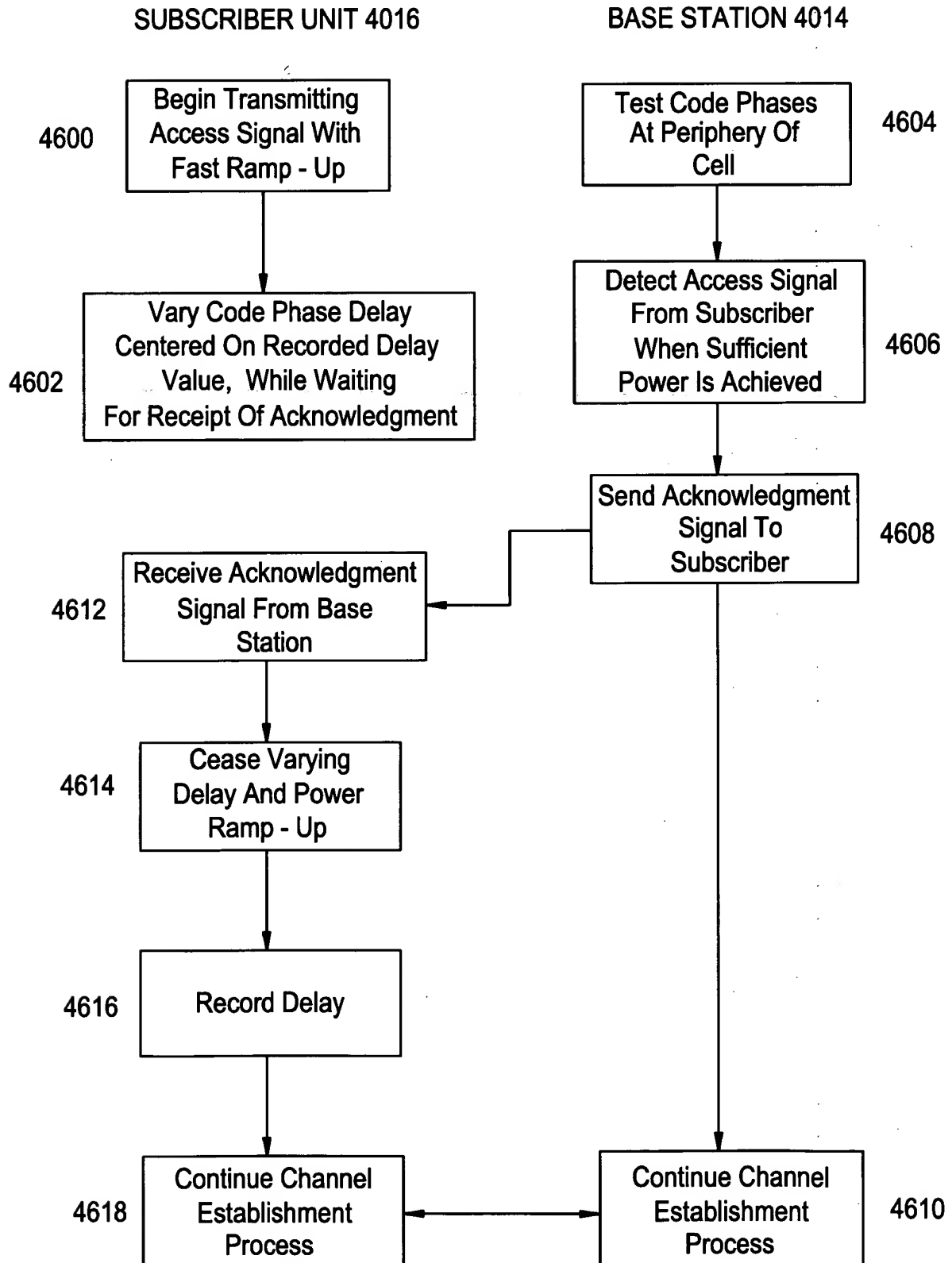


FIG. 47

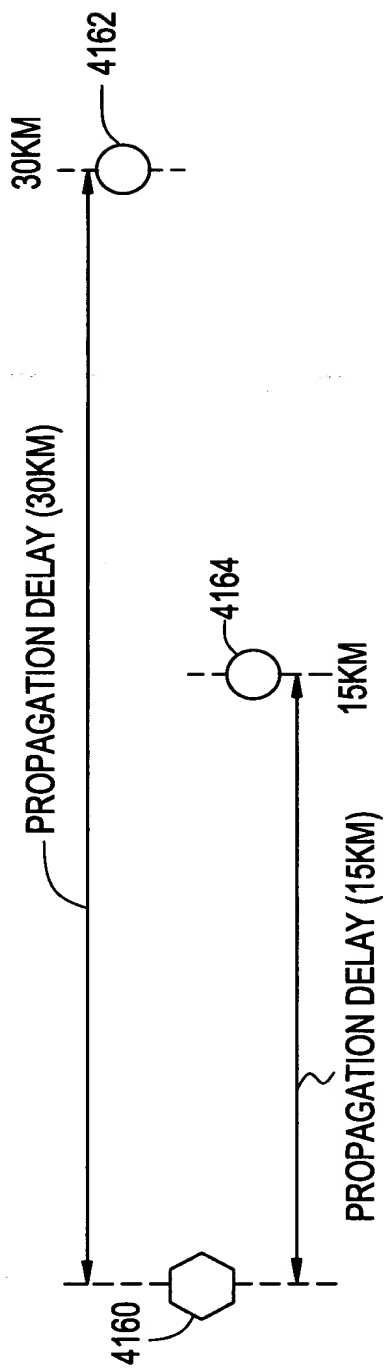
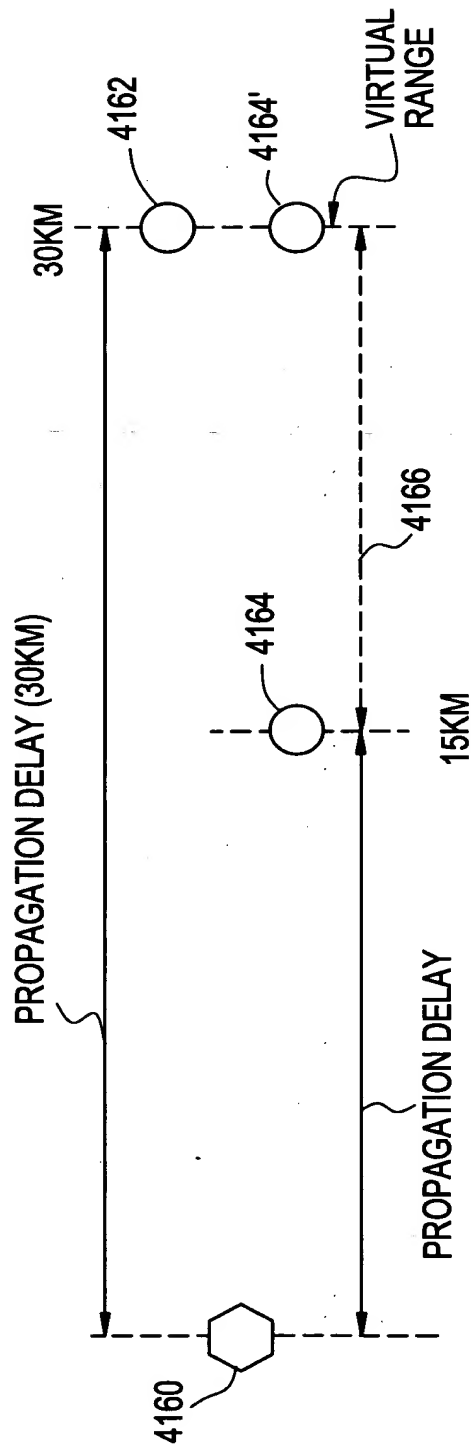


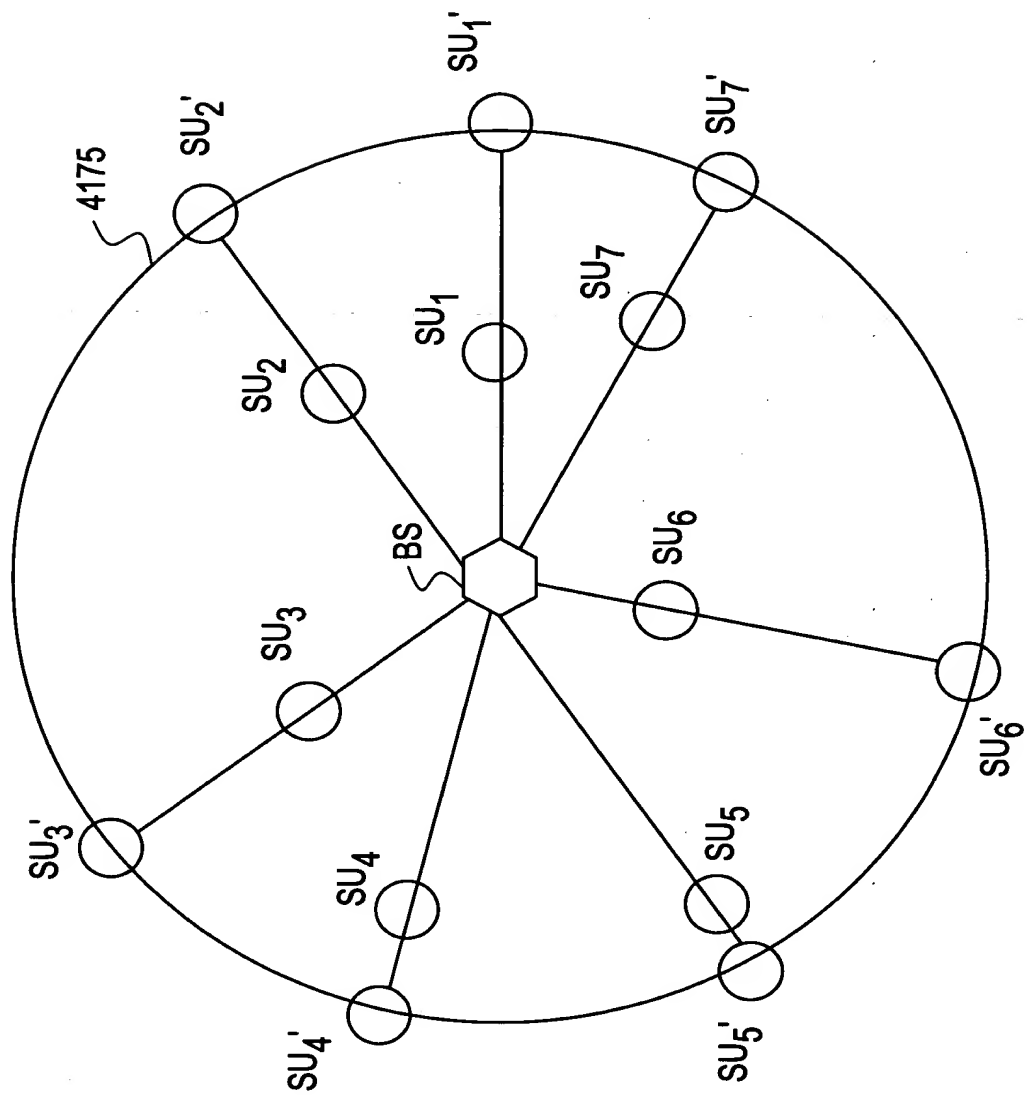
FIG. 48





REPLACEMENT SHEET

FIG. 49





REPLACEMENT SHEET

FIG. 50

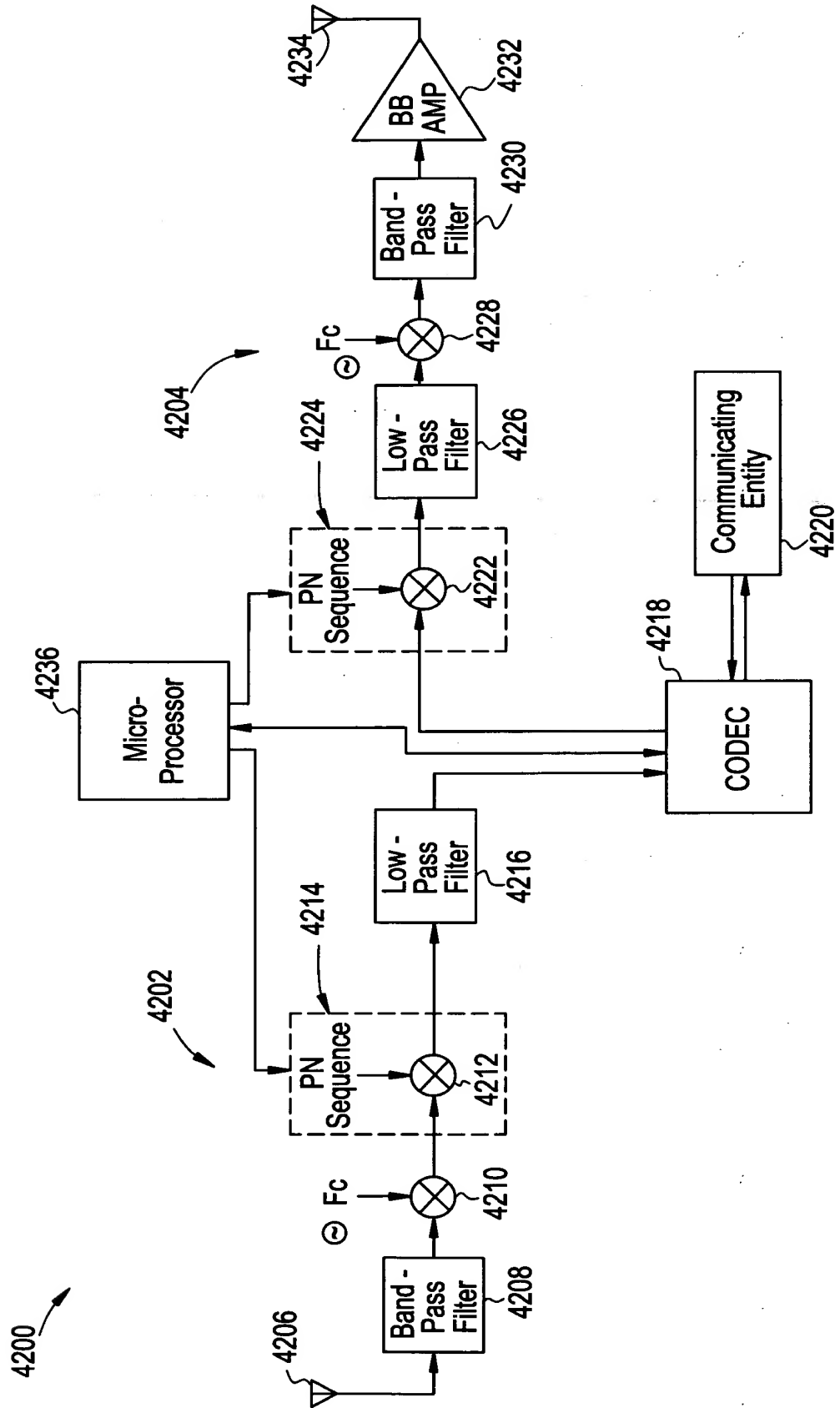




FIG. 51

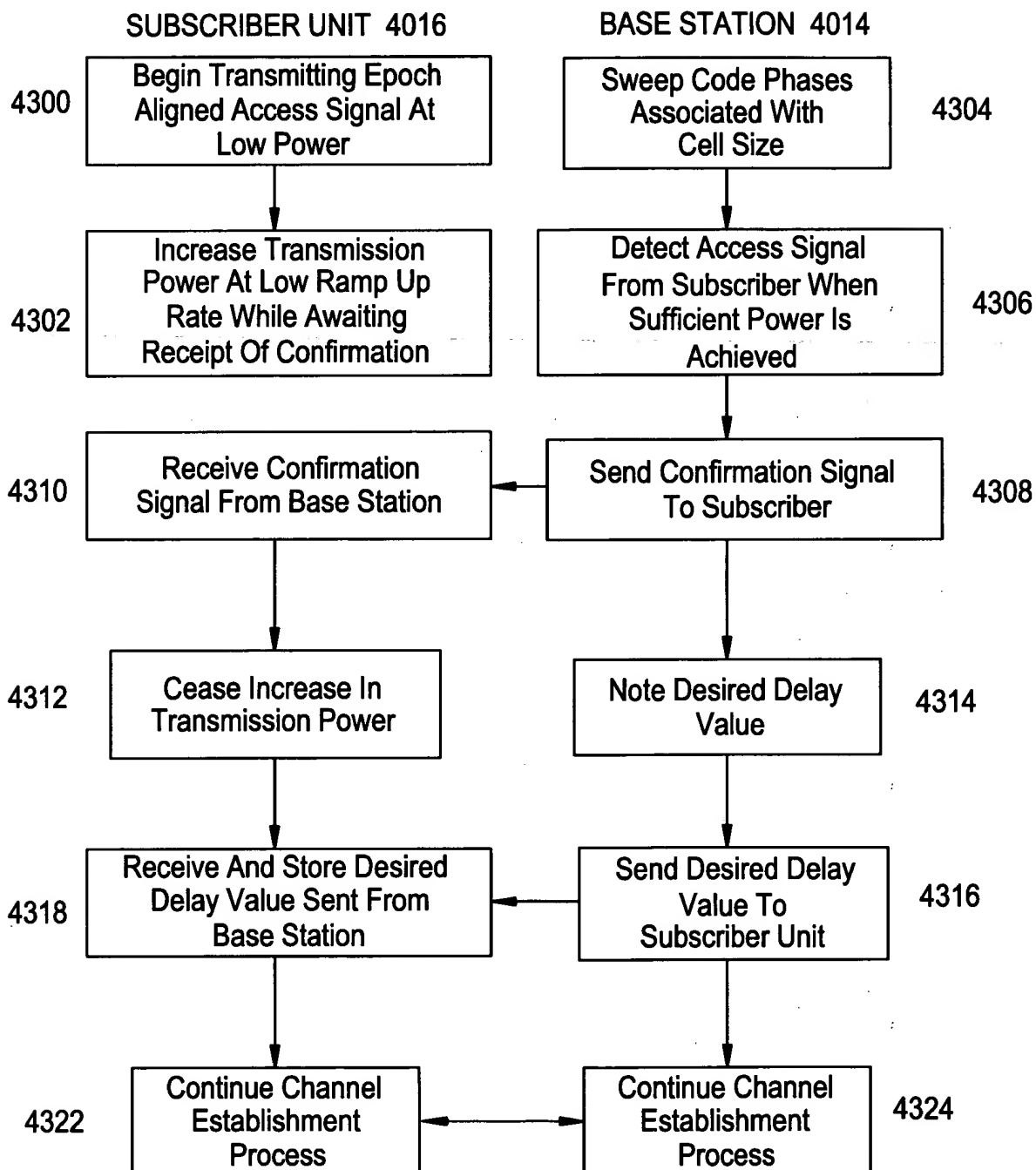
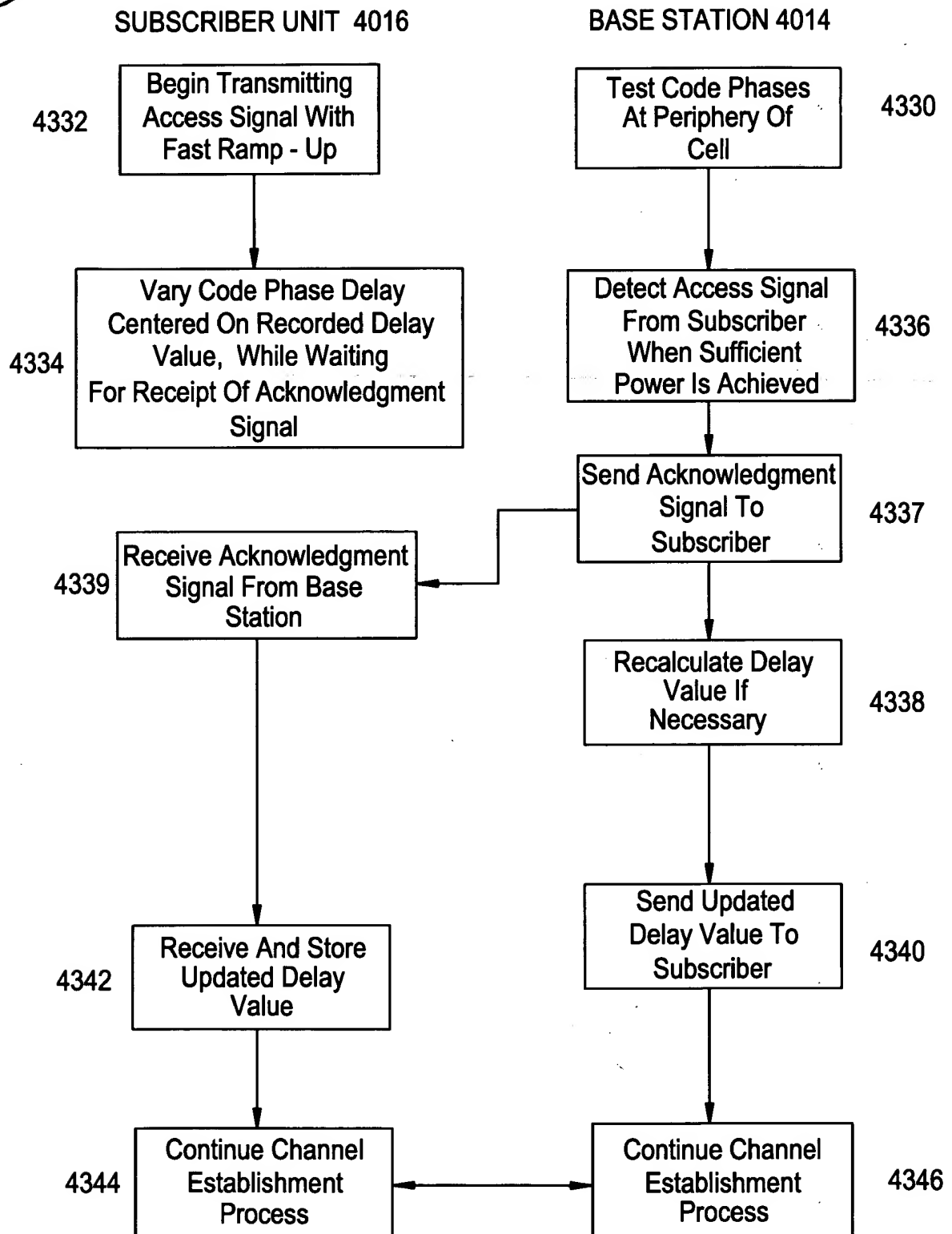
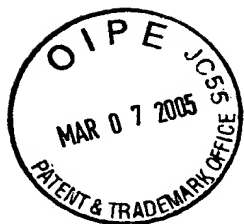




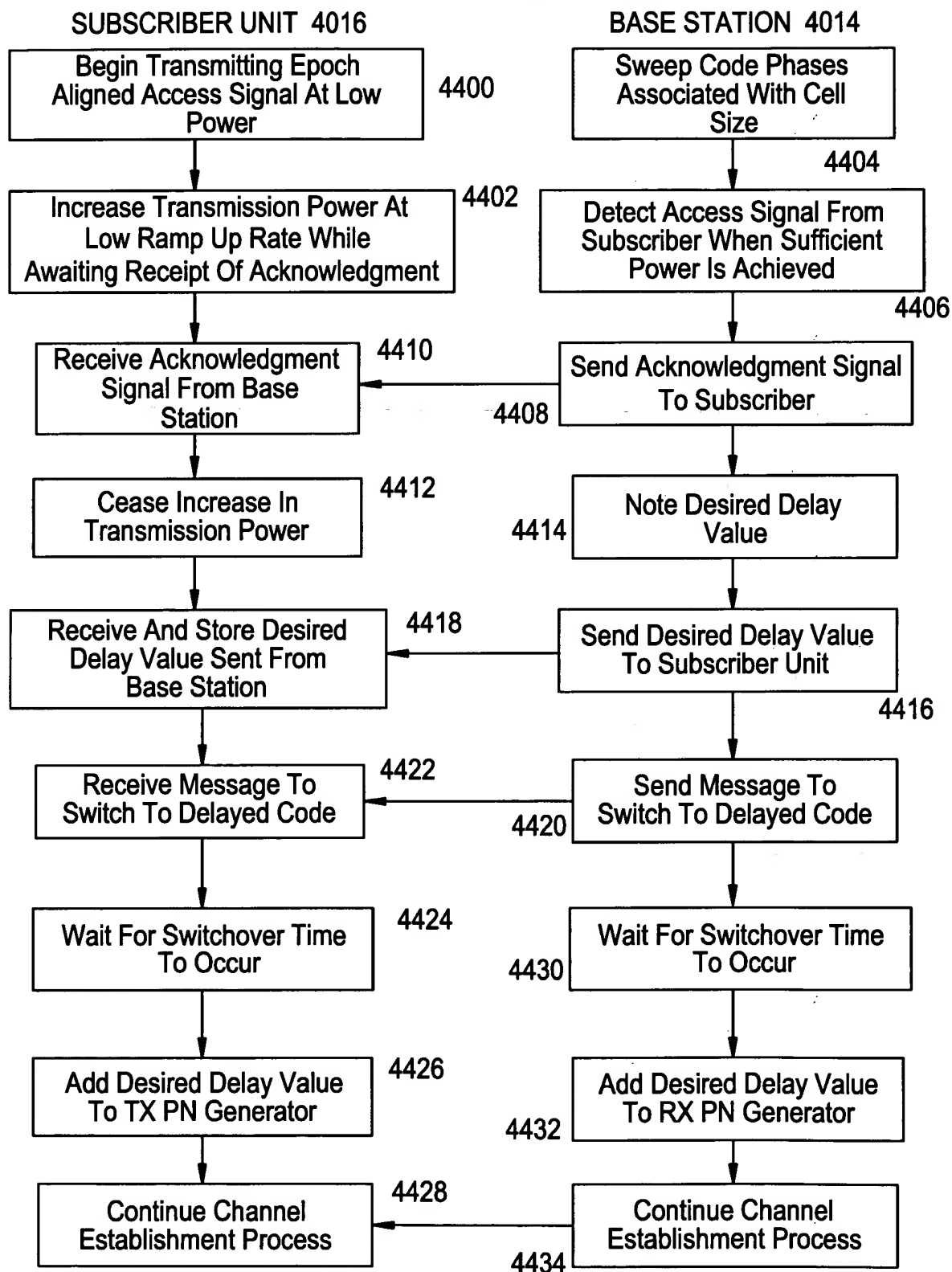
FIG. 52

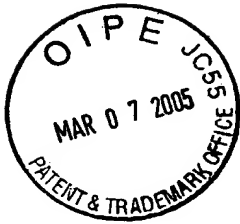




REPLACEMENT SHEET

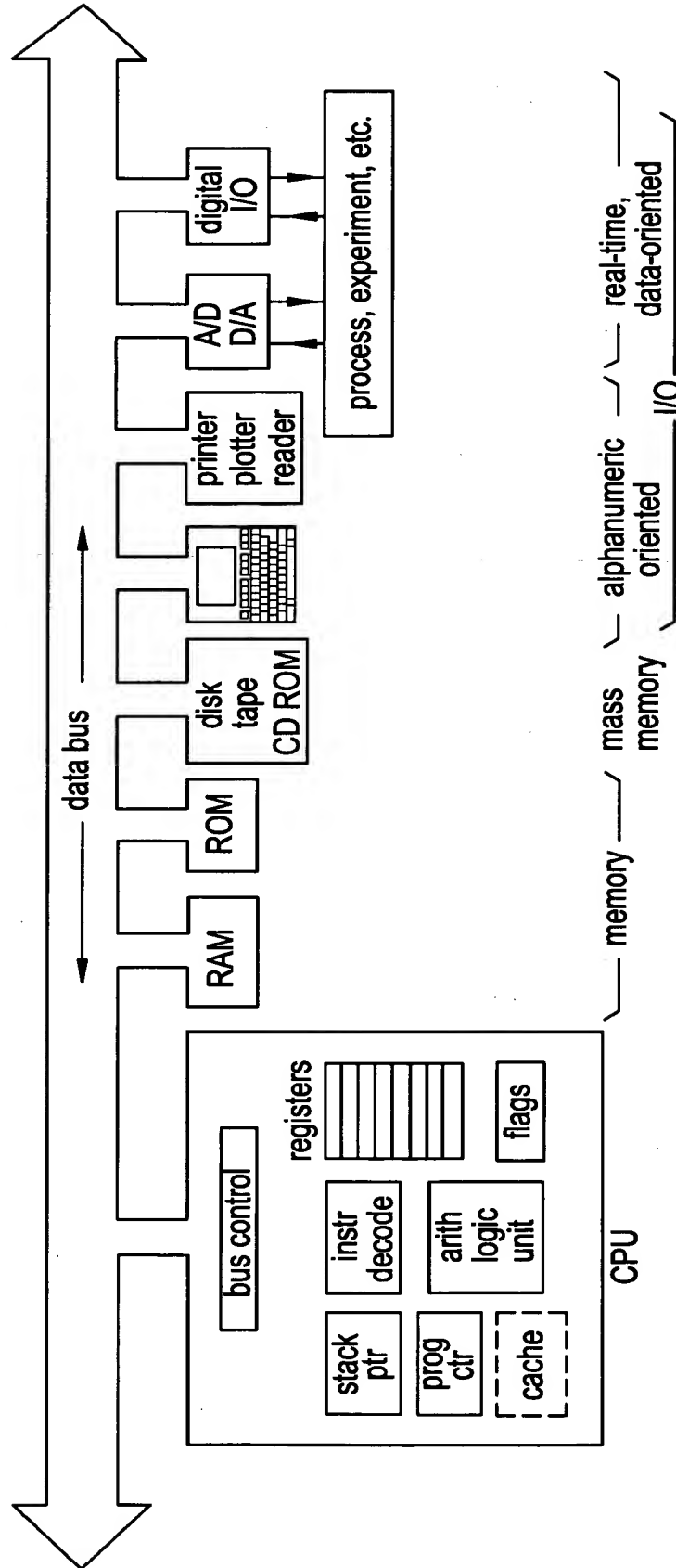
FIG. 53





REPLACEMENT SHEET

FIG. 54
PRIOR ART





REPLACEMENT SHEET

FIG. 55
PRIOR ART

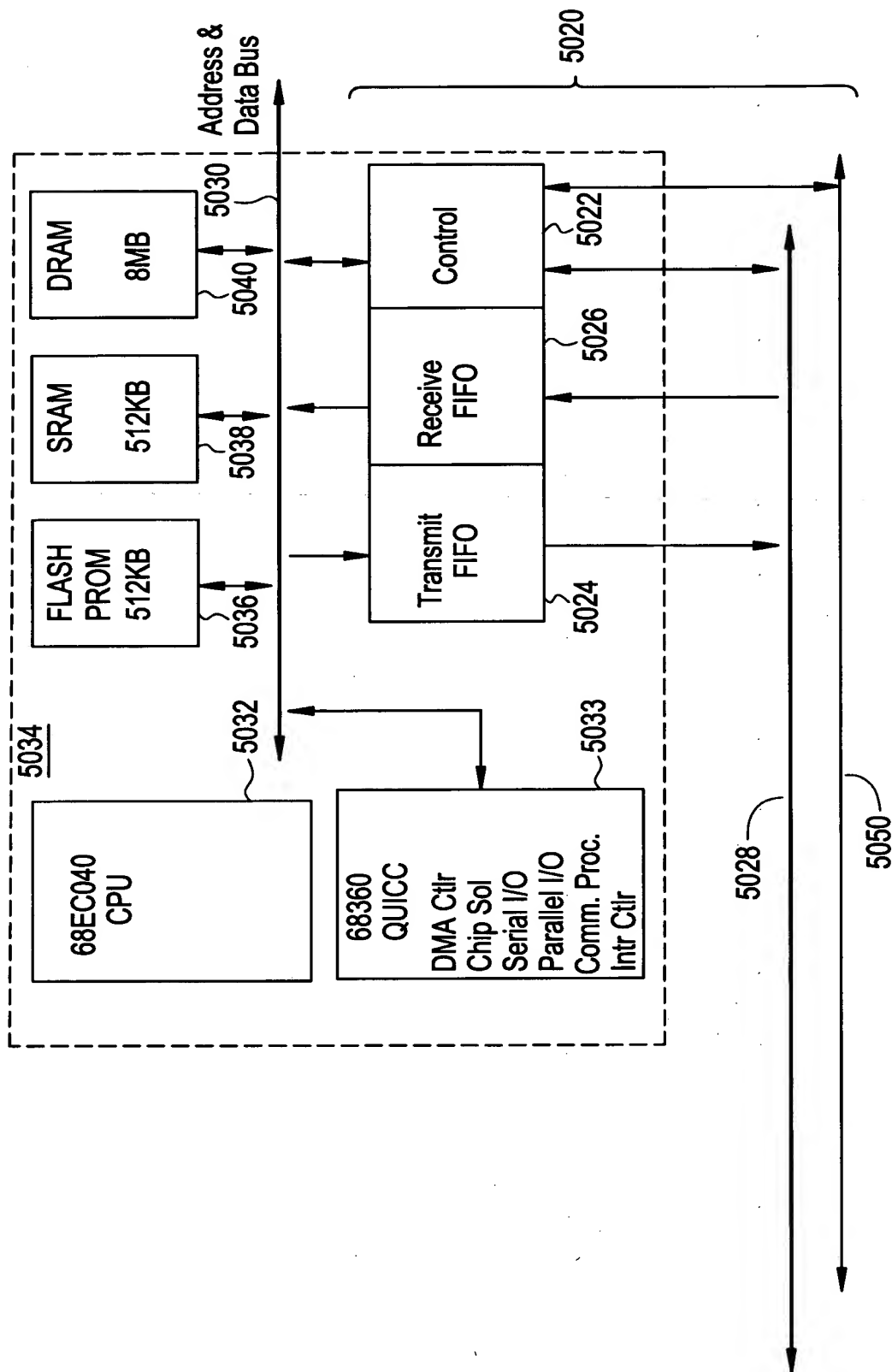
BUS	RAW bandwidth (Mbyte/s)	Data width	Address width	Block xfer?	MUXed data/adr?	Multimaster?	Sync/Async	IRQ Lines a	Drivers	Connector b	Comments
STD bus		8	16	-	-	-	S	1	TTL	CE	controller-type applications
PC/XT	1.2	8	20	-	-	-	S	5E	TTL	CE	original IBM PC & compatibles
PC/AT	5.3	8,16	20,24	-	-	(c)	S	10E	TTL	CE	accepts PC/XT cards
EISA	33	8,16,32	20,24,32	•	-	•	S	11P	TTL	CE	enhanced PC/AT; auto-configure
MicroChannel	20	8,16,(32)	24,(32)	•	-	•	A	11	TTL	CE	IBM PS/2; auto-configure
Q - bus	2	16	22	•	•	•	A	4	(d)	CE	LSI-11, μ VAX-I,II;daisy-chained IACK
Multibus I	10	8,16	20,24	-	-	•	A	8	TTL	CE	Intel; SUN-I and others
CAMAC	3	24	9	•	-	-	S	L	TTL/OC	CE	data acquisition & control bus
VAX BI	13.3	8,16,24,32	32	•	•	•	S	4	TTL	ZIF	VAX 780, 8600 series; parity
Multibus II	40	8,16,24,32	16,32	•	•	•	S	M	TTL	DIN	parity; 40MB/s for blk xfer, 20M otherwise
NuBus	40	32	32	•	•	•	S	M	TTL	DIN	Macintosh II adds 1 dedicated INT per slot; ""
VME	40	8,16,32	16,24,32	•	-	•	A	7	TTL	DIN	daisy-chained IACK; SUN-3
Futurebus	120										
Fastbus	160	32	32	•	•	•	A	-	(d)	H	communication across many crates
							A	M	ECL		

- (a) E-edge-sensitive; L-LAM ("look at me"); M-"int" via bus mastership; P-programmable edge-or level-sensitive interrupts.
 (b) CE-card-edge; DIN-2-part "Eurocard" 96-pin connector; H-high density 2-part conn. (c) almost. (d) National Semi special.



REPLACEMENT SHEET

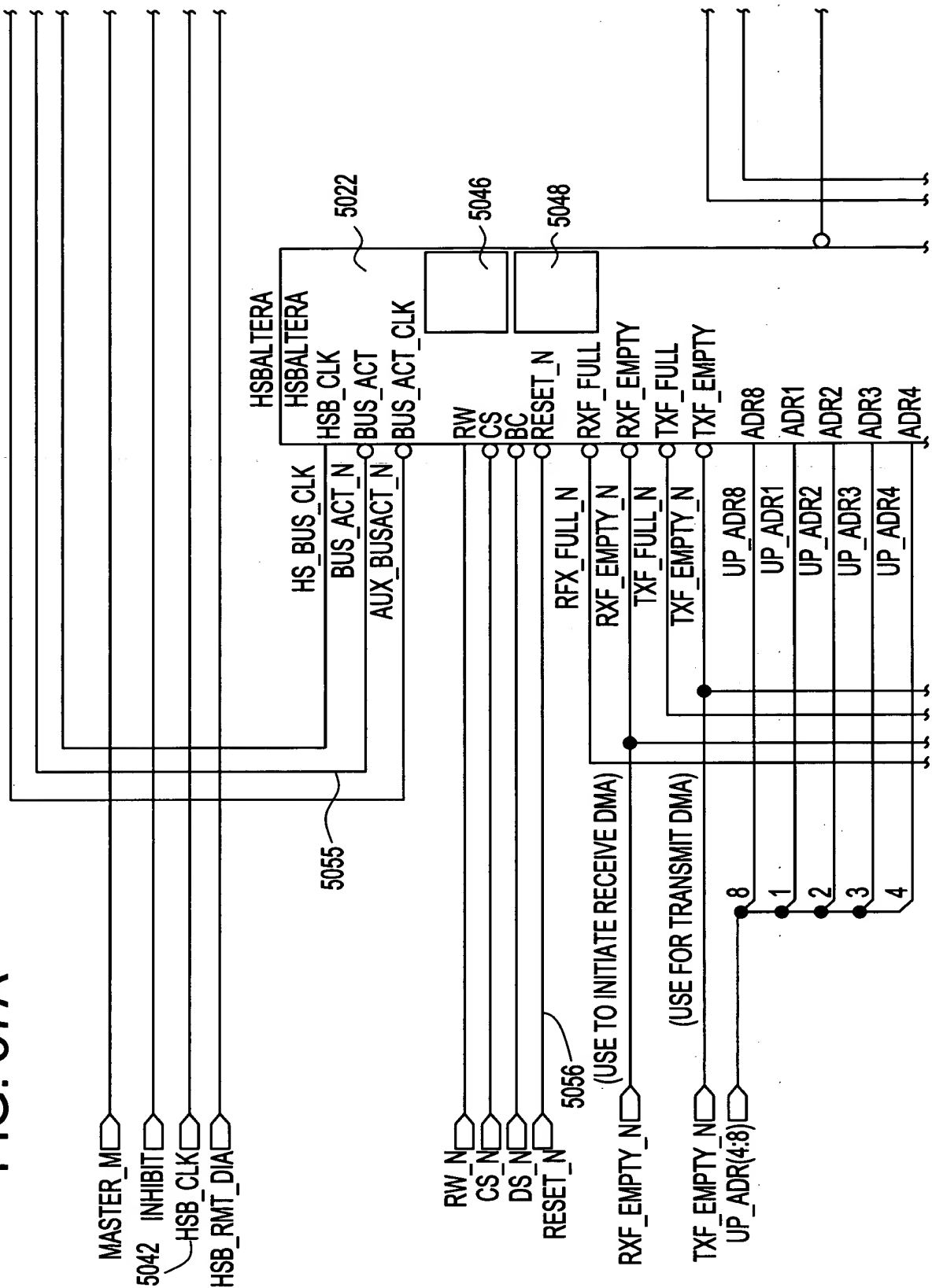
FIG. 56





REPLACEMENT SHEET

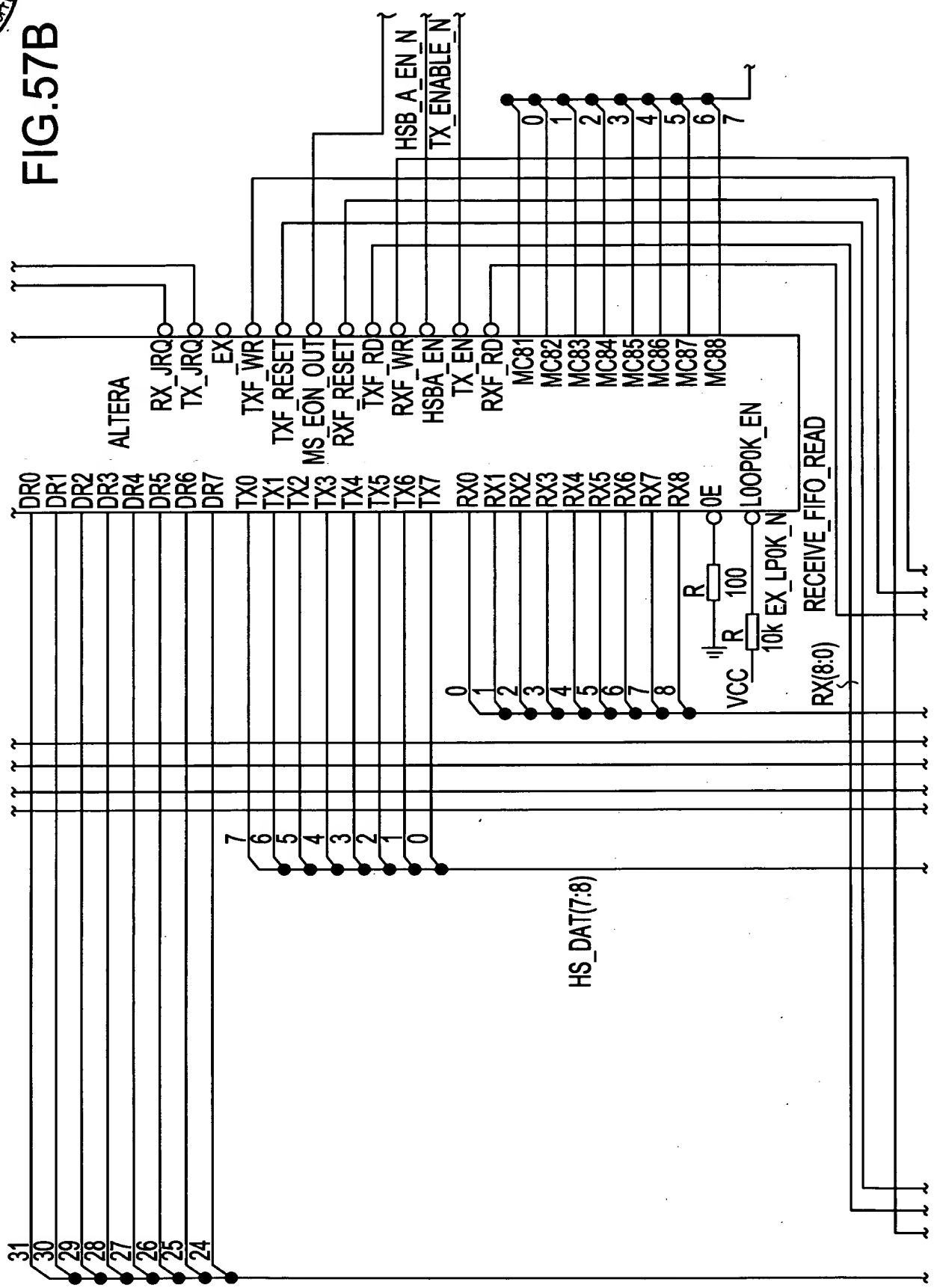
FIG. 57A





REPLACEMENT SHEET

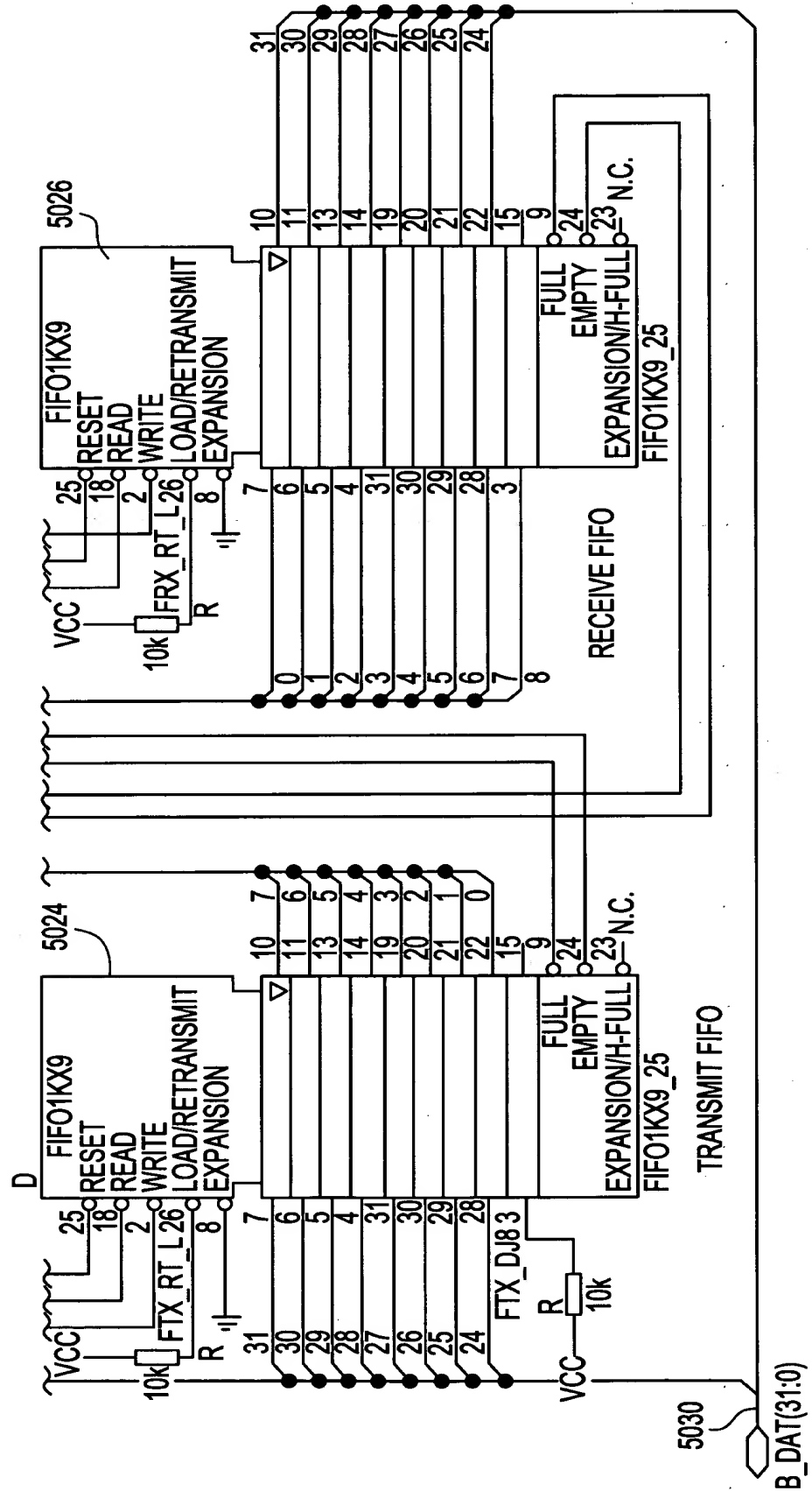
FIG.57B





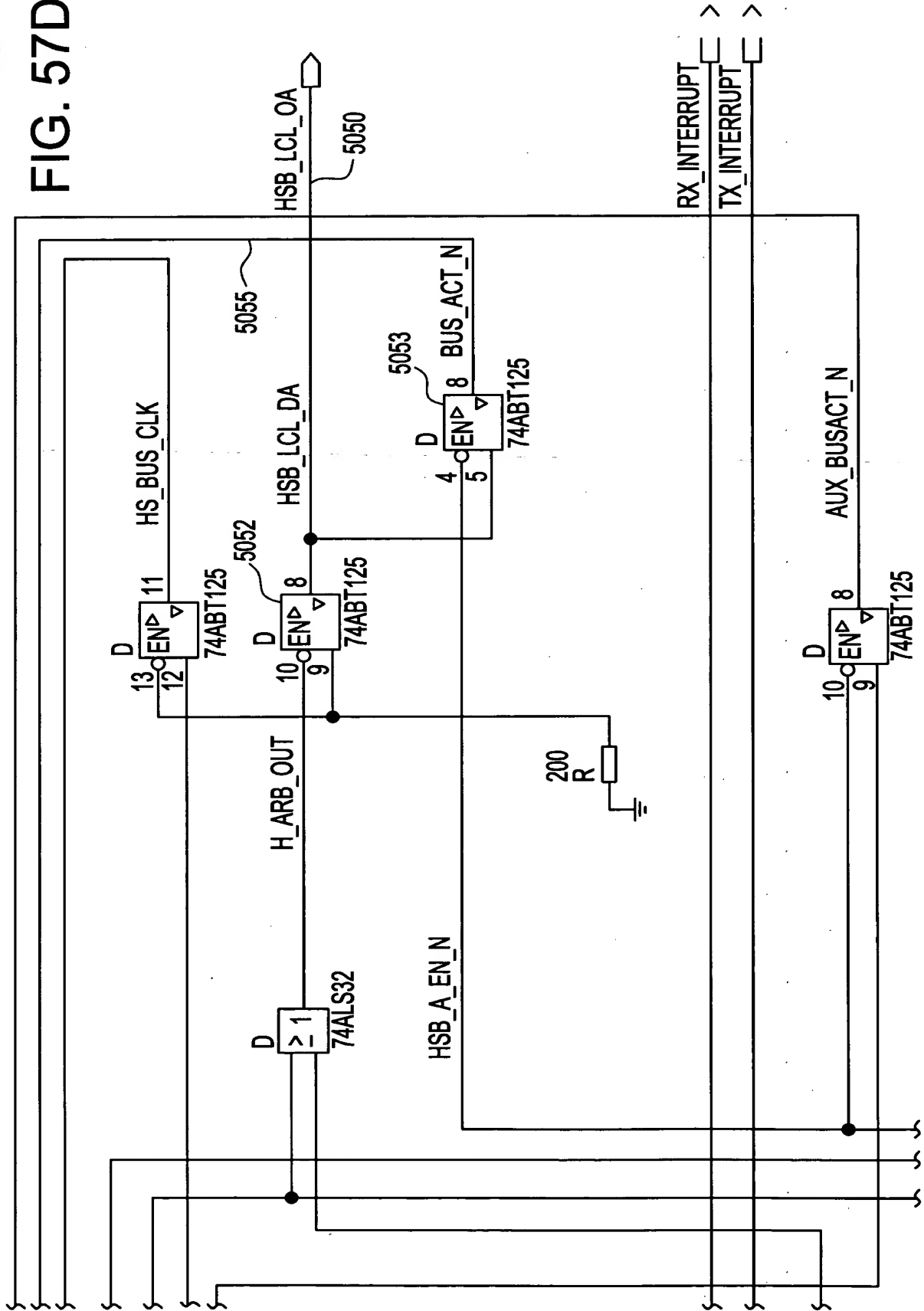
REPLACEMENT SHEET

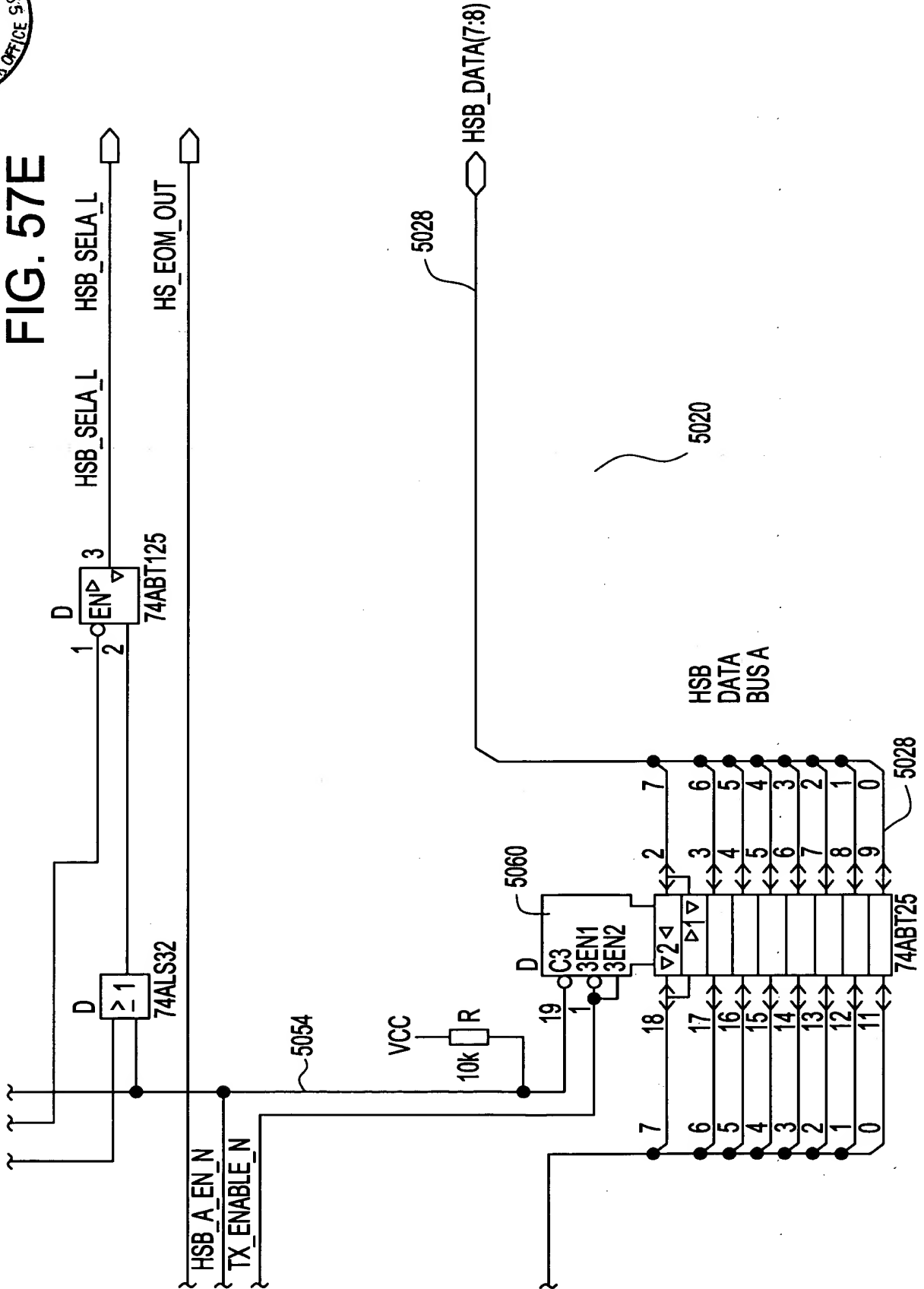
FIG. 57C



REPLACEMENT SHEET

FIG. 57D



[illegible]



REPLACEMENT SHEET

FIG. 58

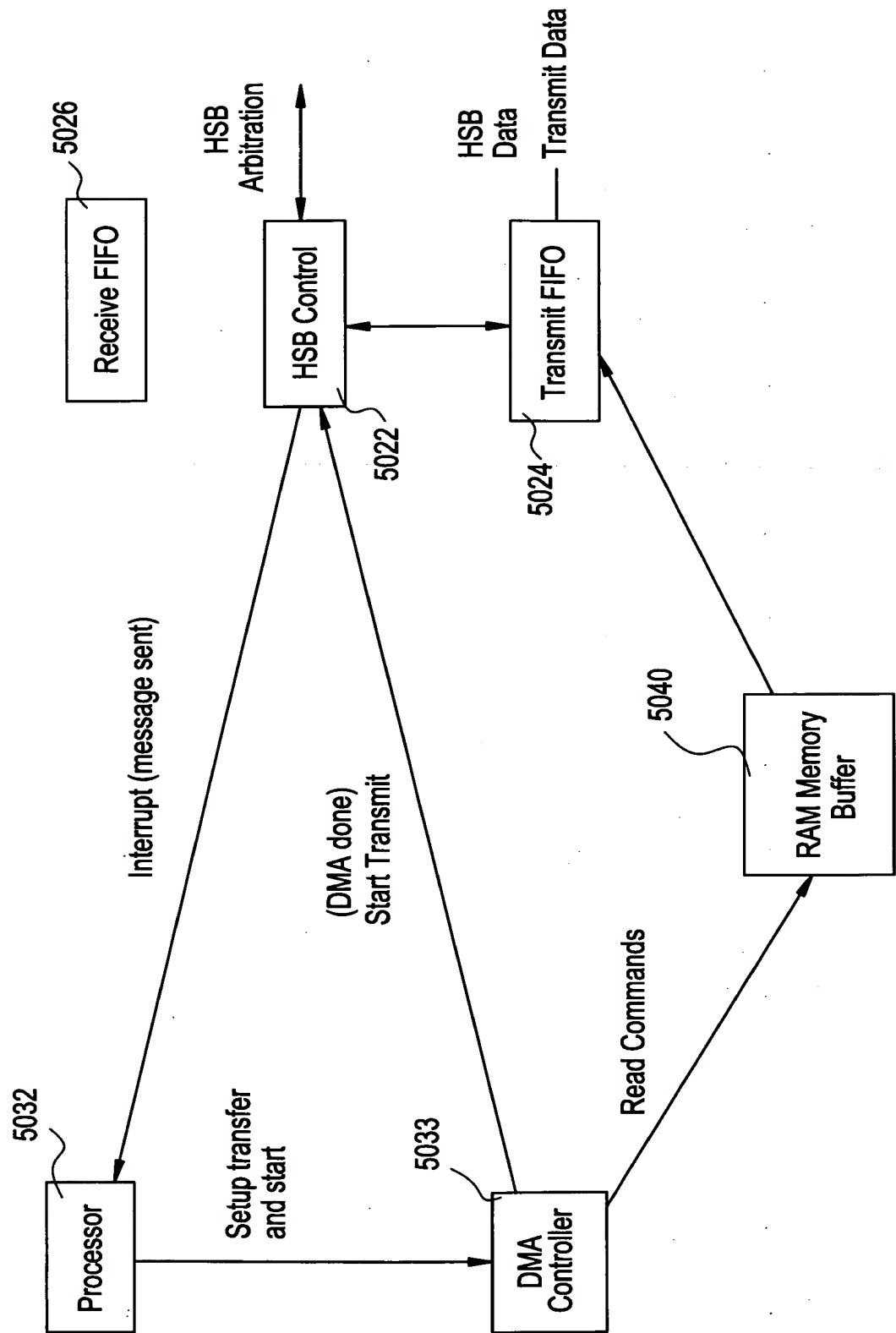
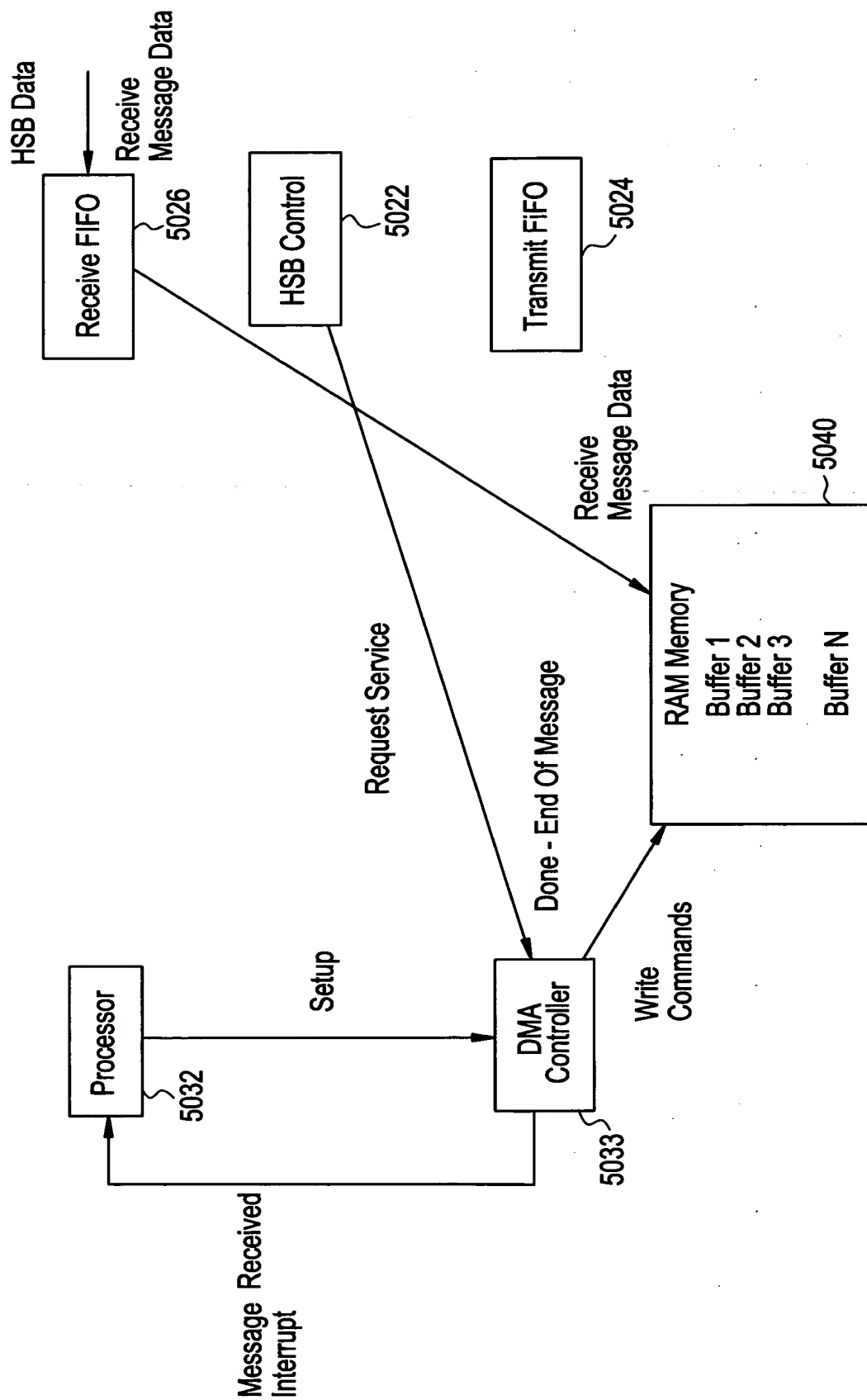




FIG. 59



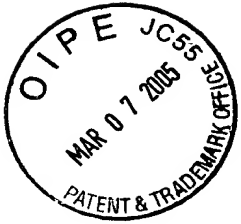


FIG. 60

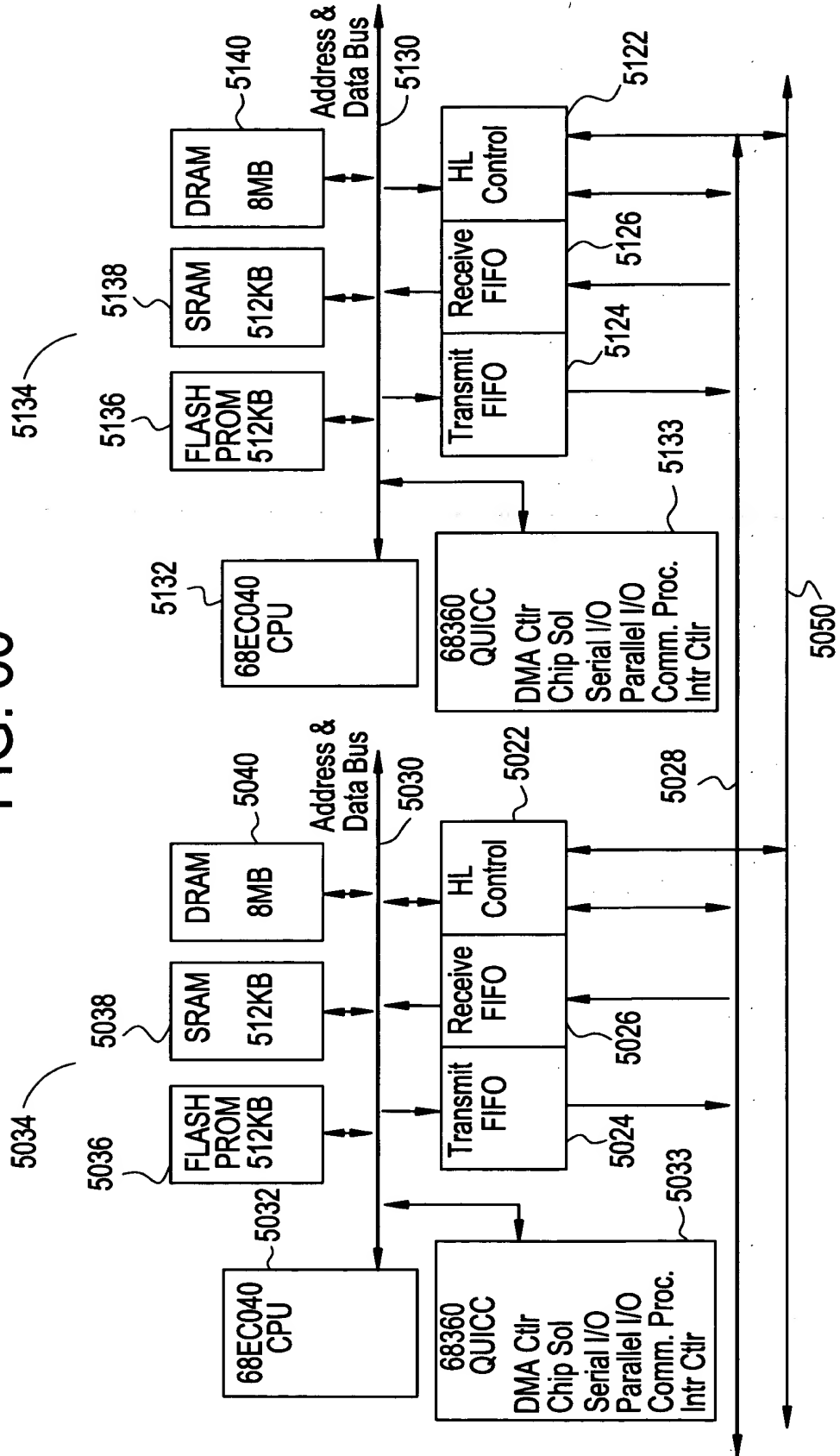
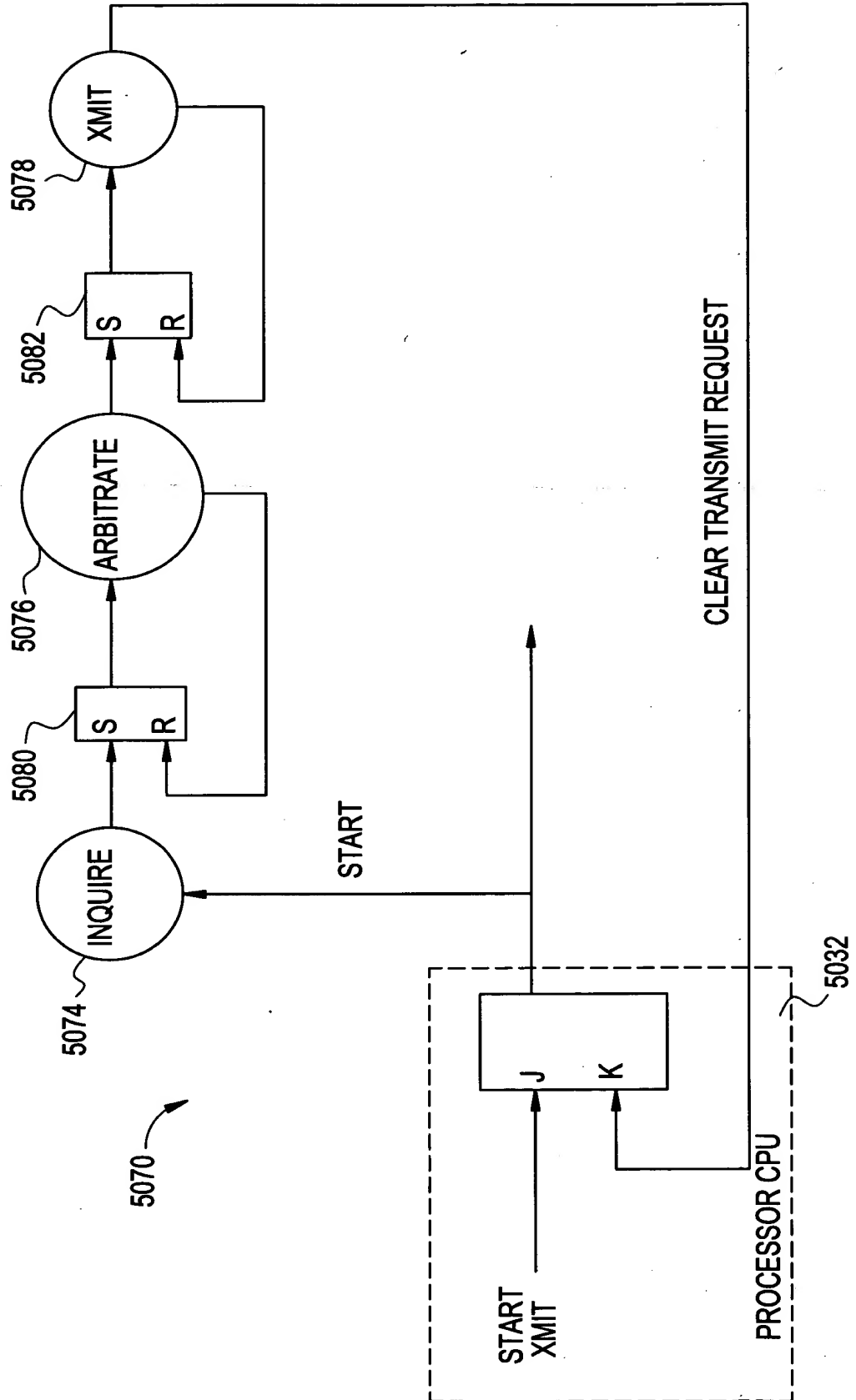




FIG. 61





REPLACEMENT SHEET

FIG. 62

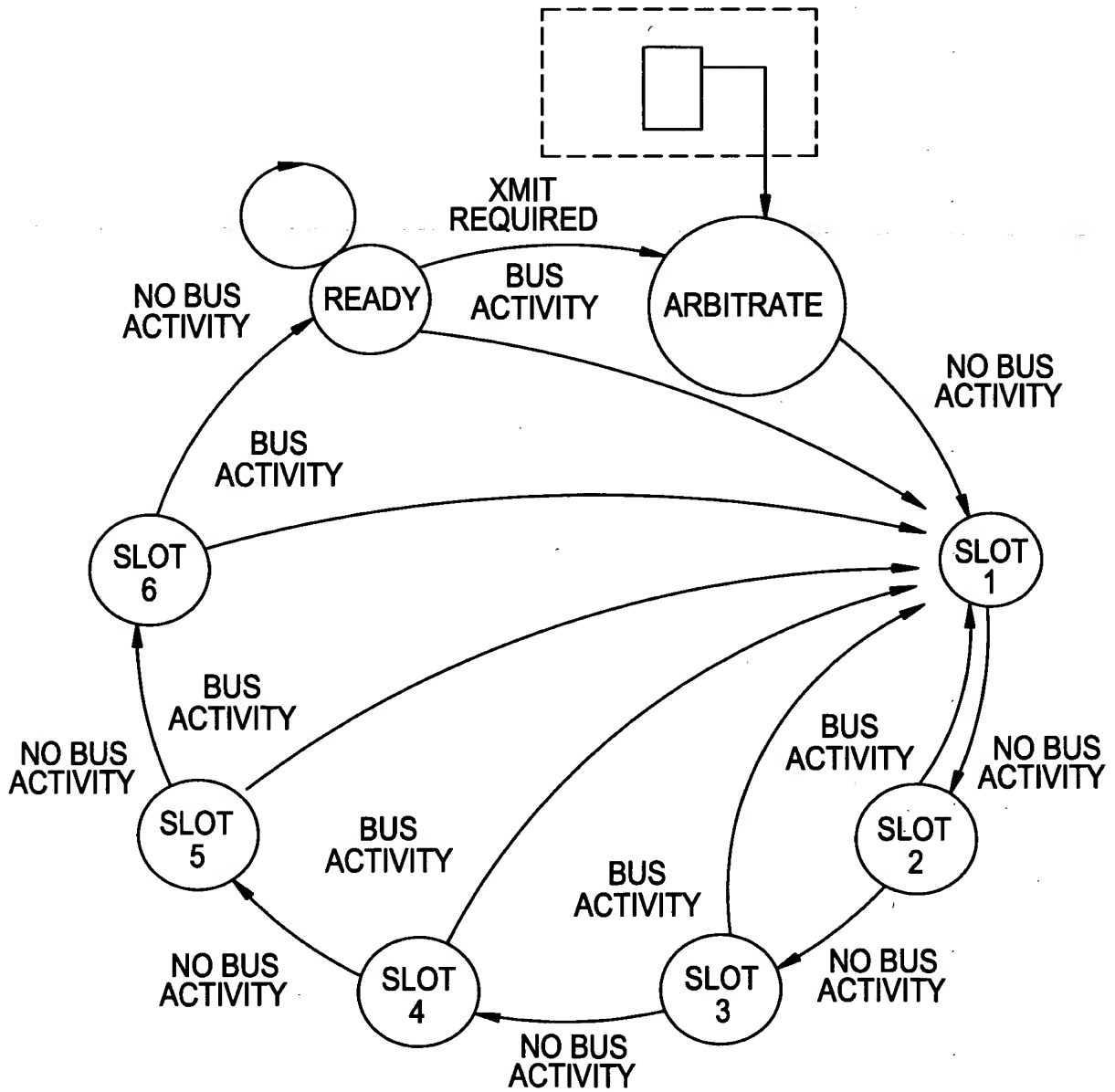
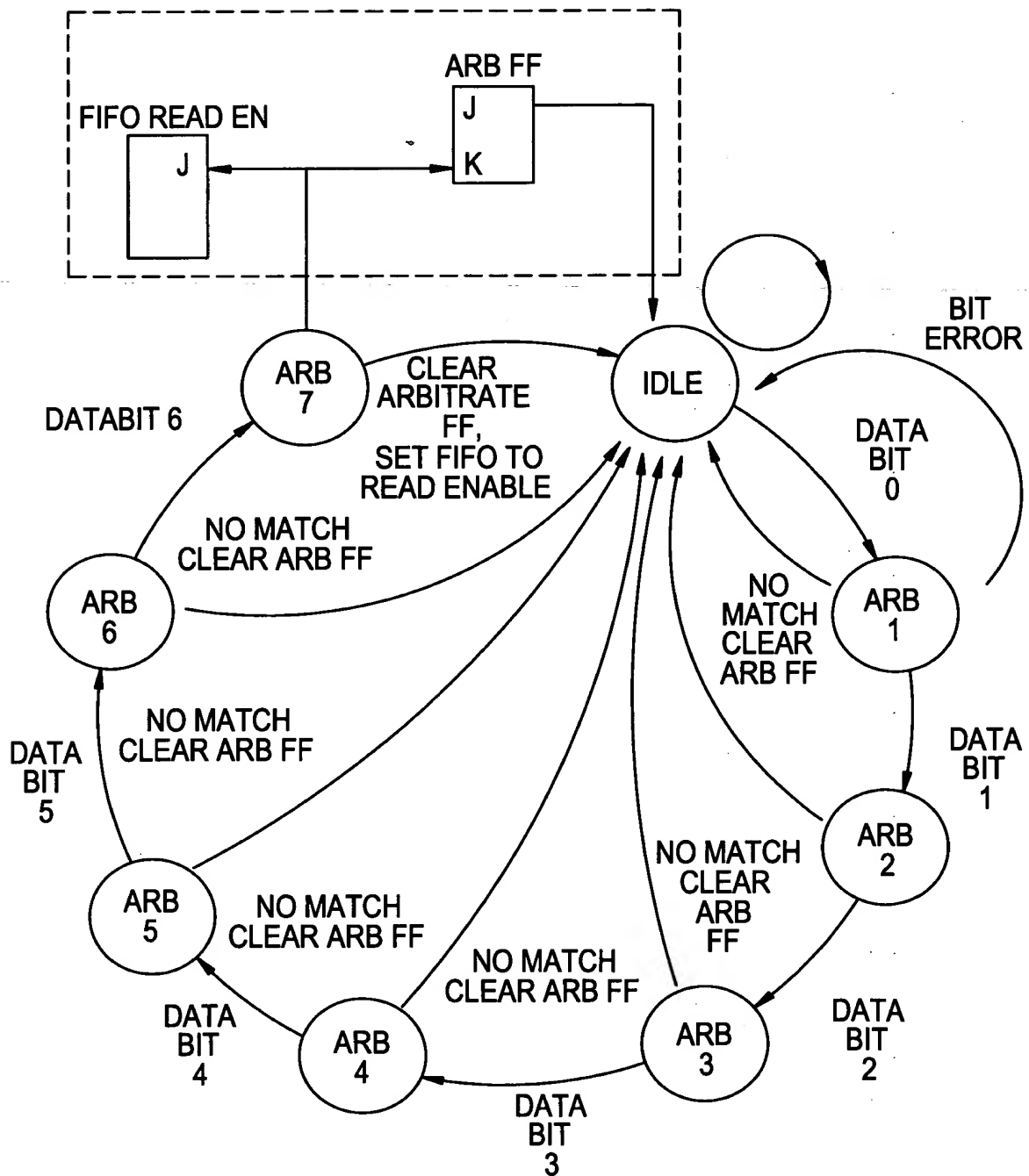


FIG. 63





REPLACEMENT SHEET

FIG. 64

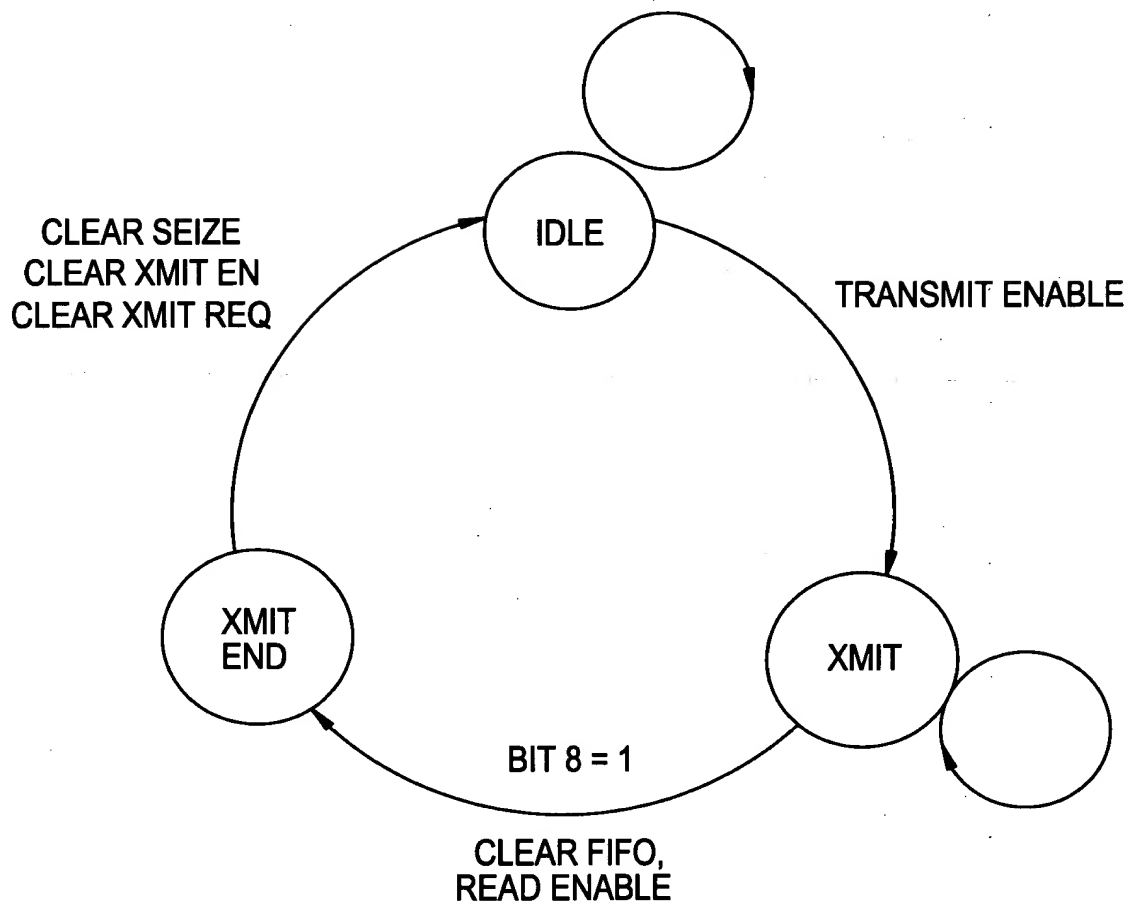
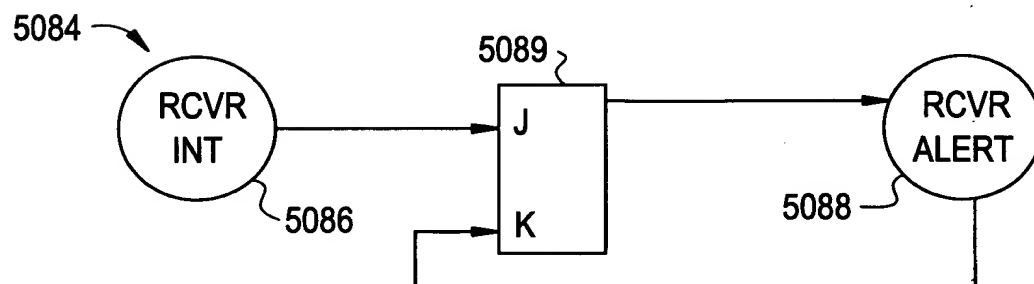


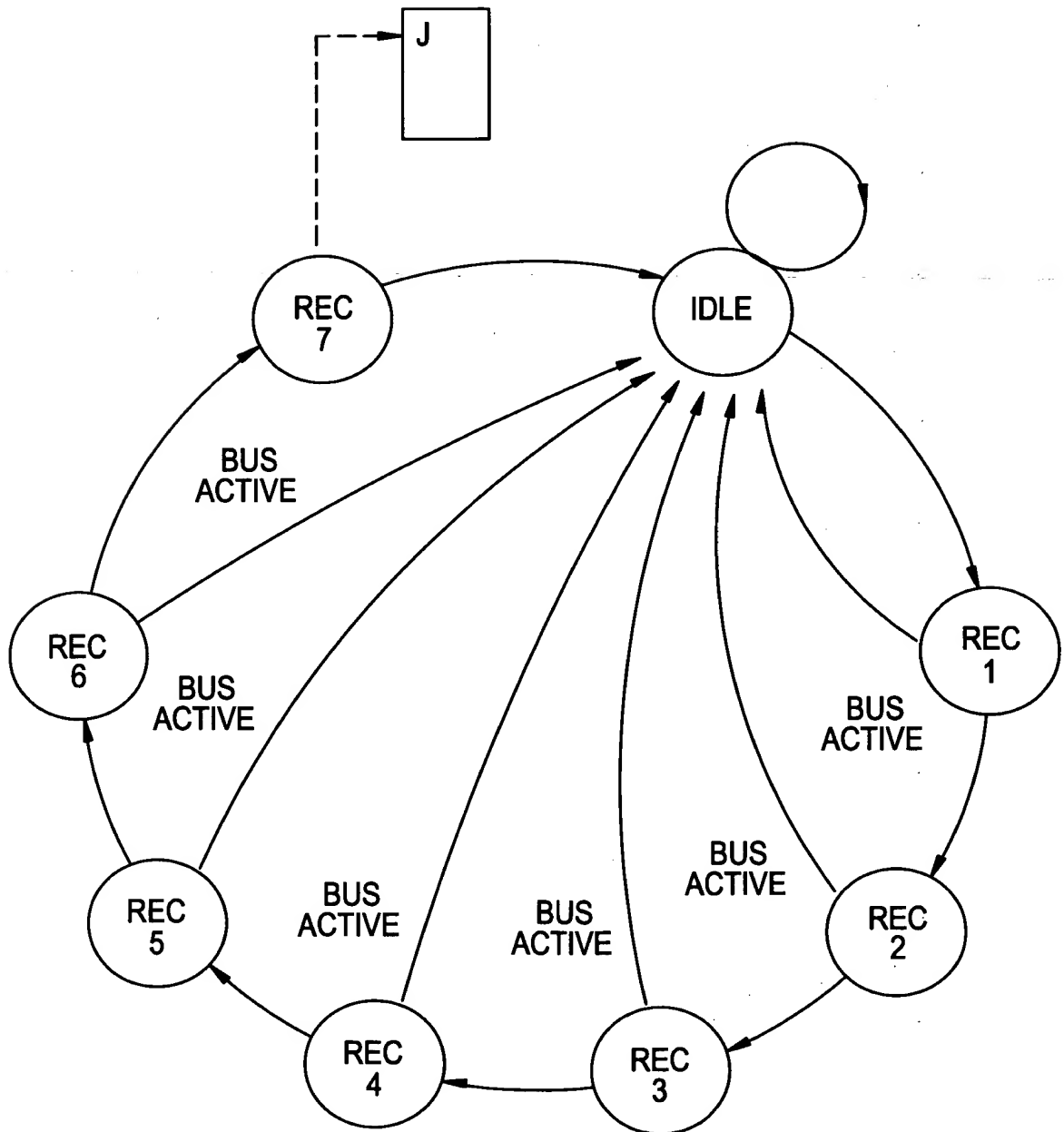
FIG. 65





REPLACEMENT SHEET

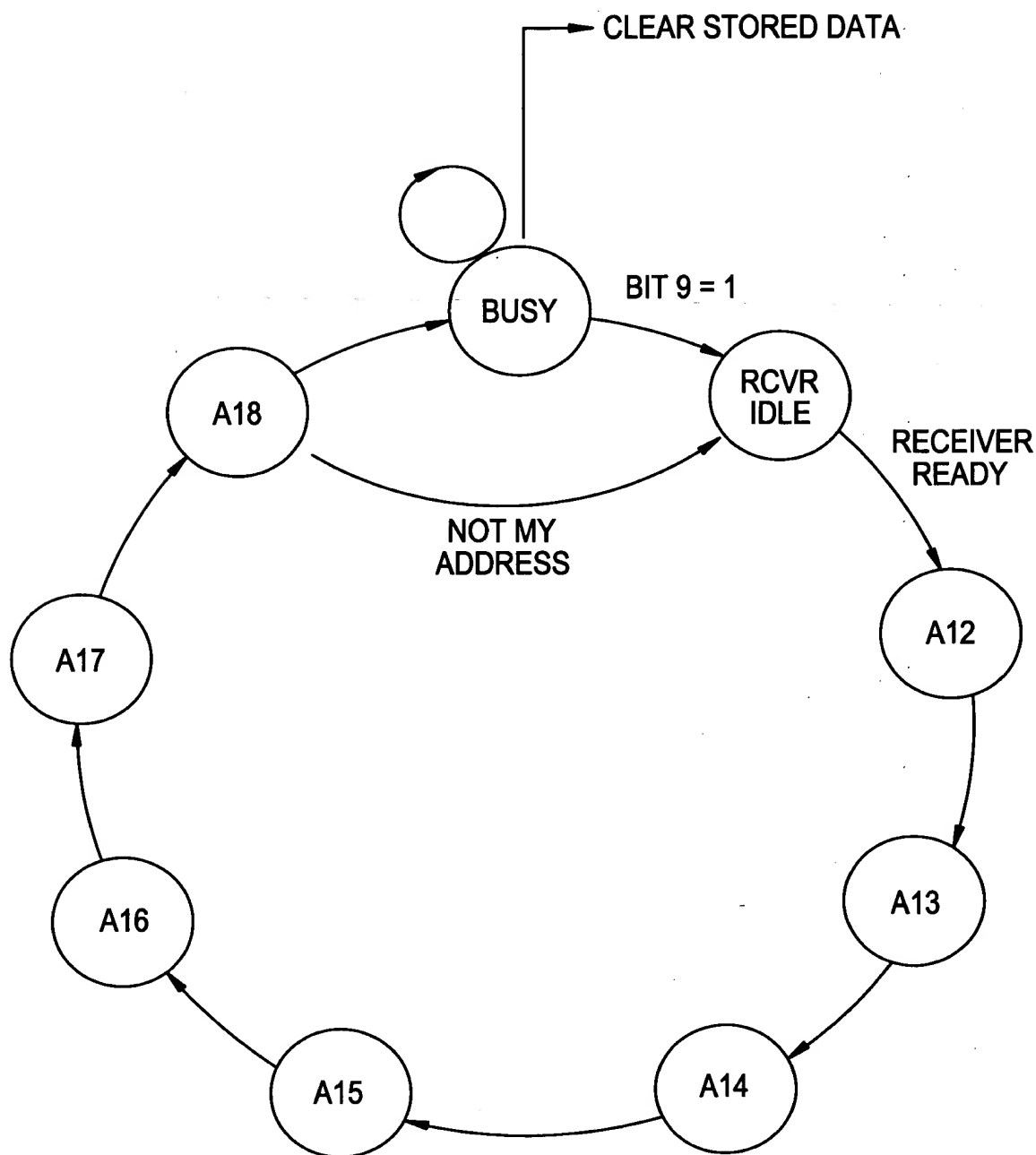
FIG. 66





REPLACEMENT SHEET

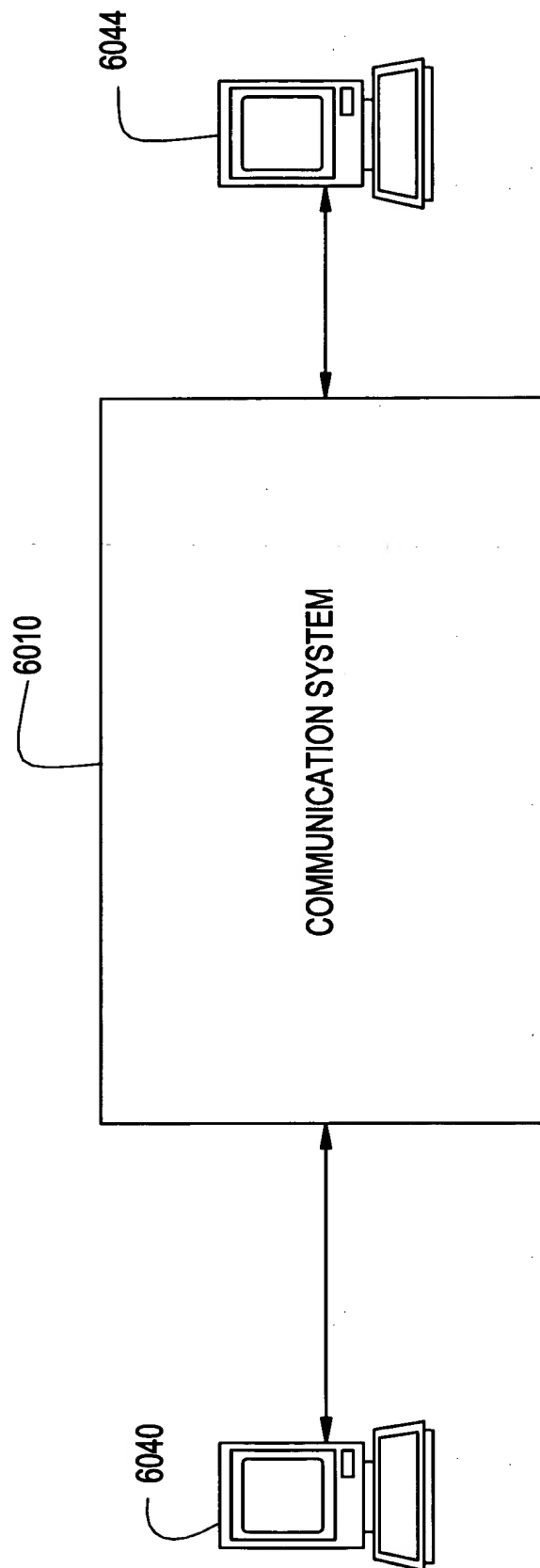
FIG. 67





REPLACEMENT SHEET

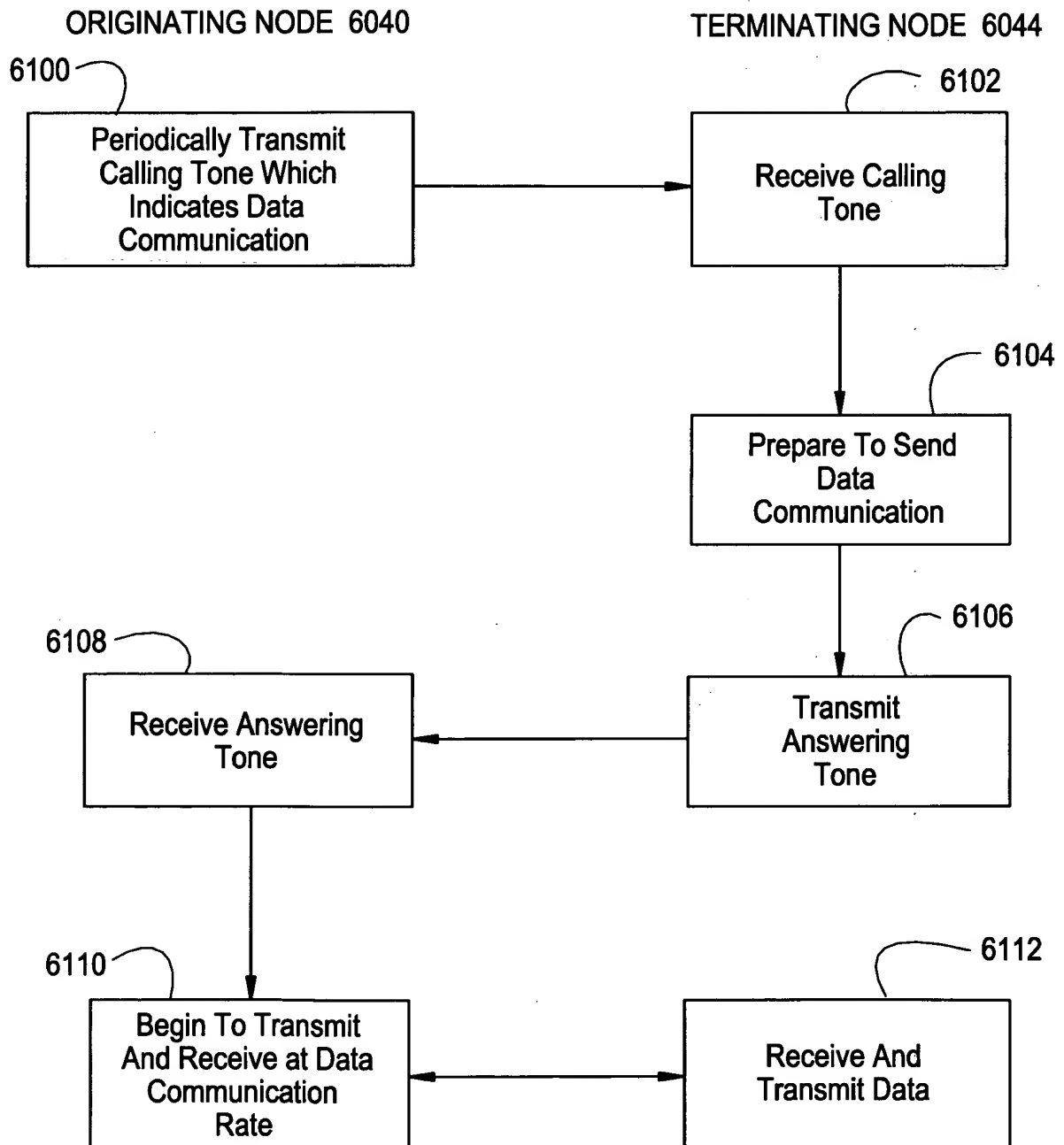
FIG. 68





REPLACEMENT SHEET

FIG. 69
PRIOR ART





REPLACEMENT SHEET

FIG. 70

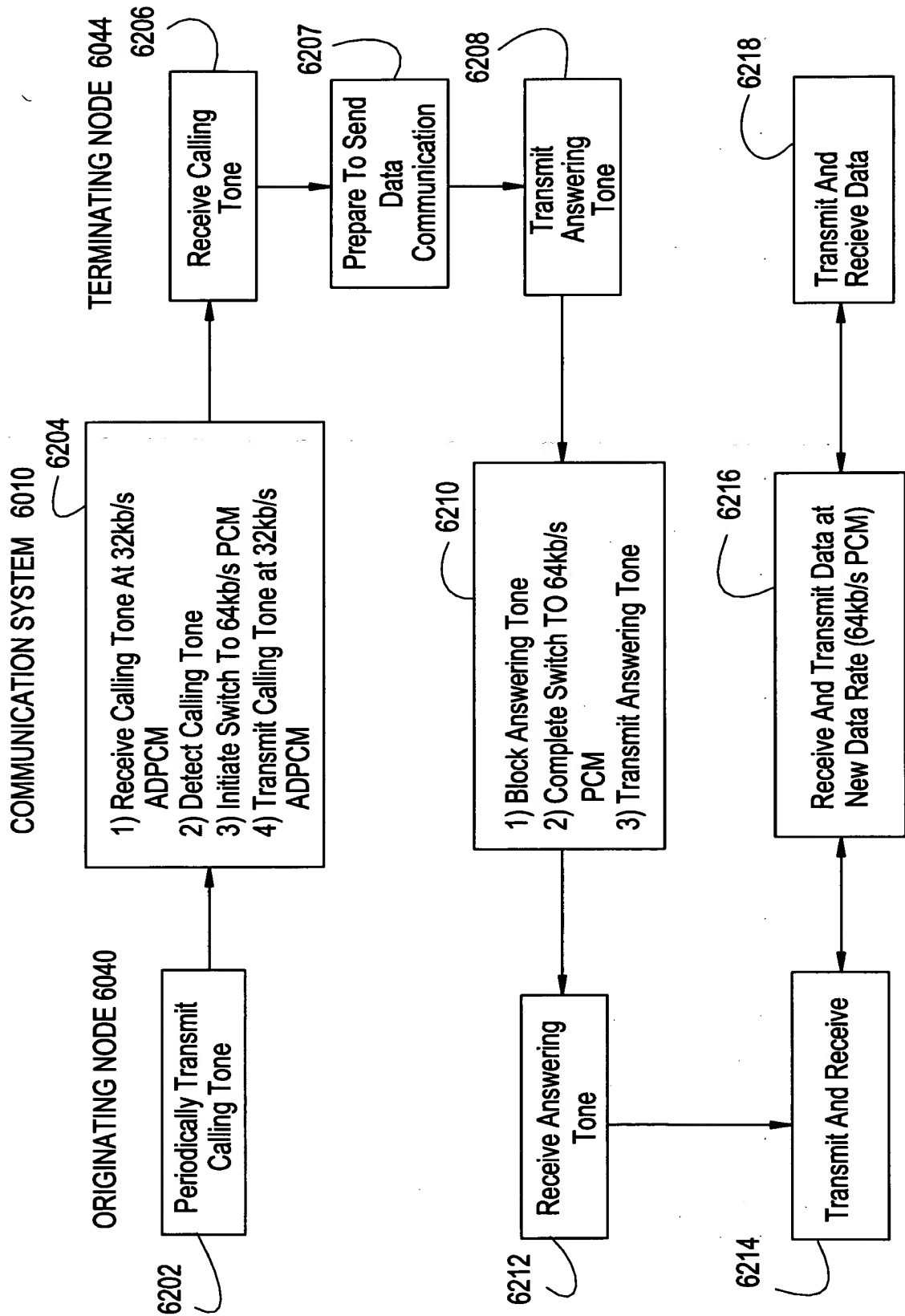
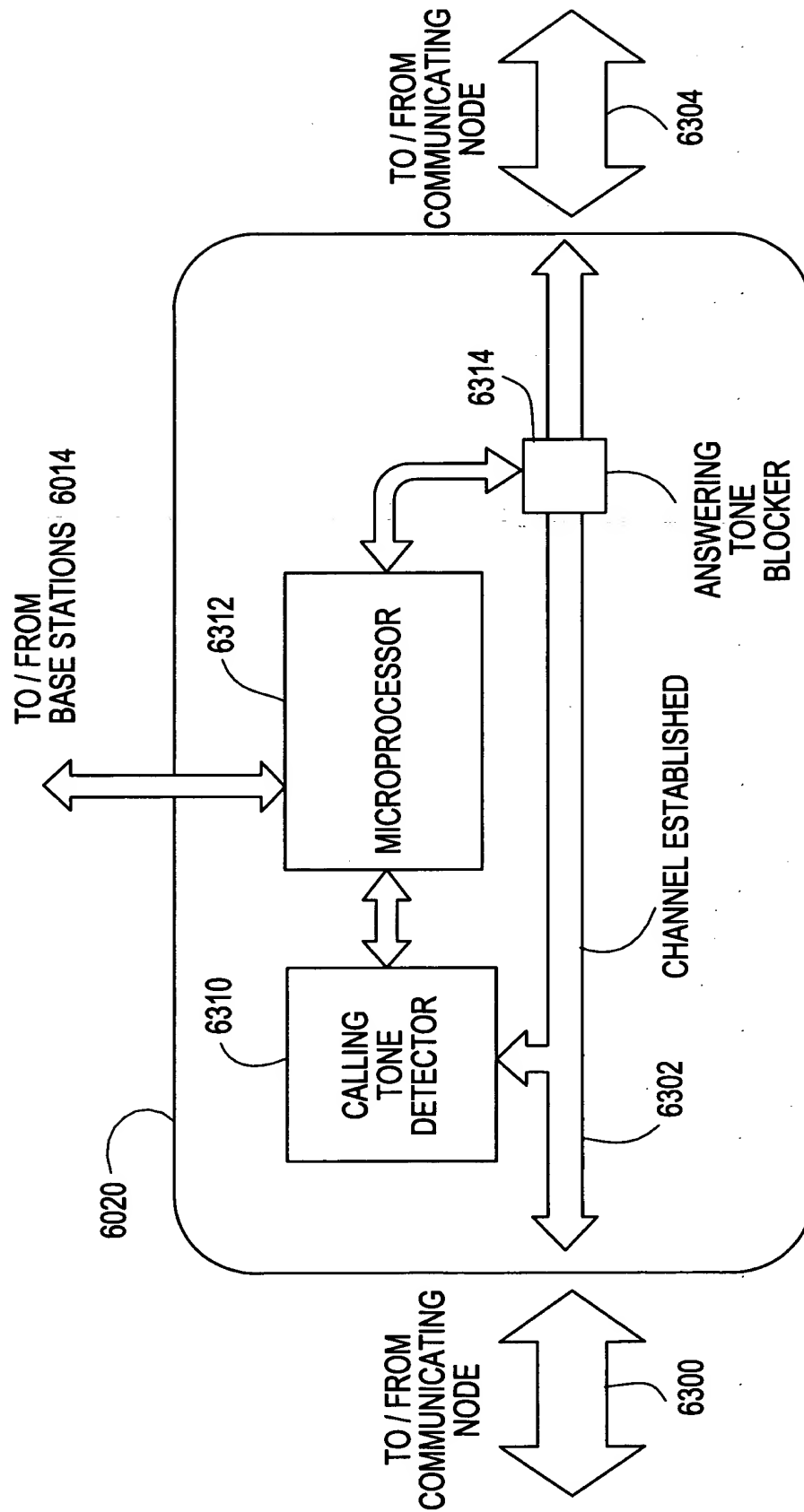


FIG. 71





REPLACEMENT SHEET

FIG. 72
PRIOR ART

7020

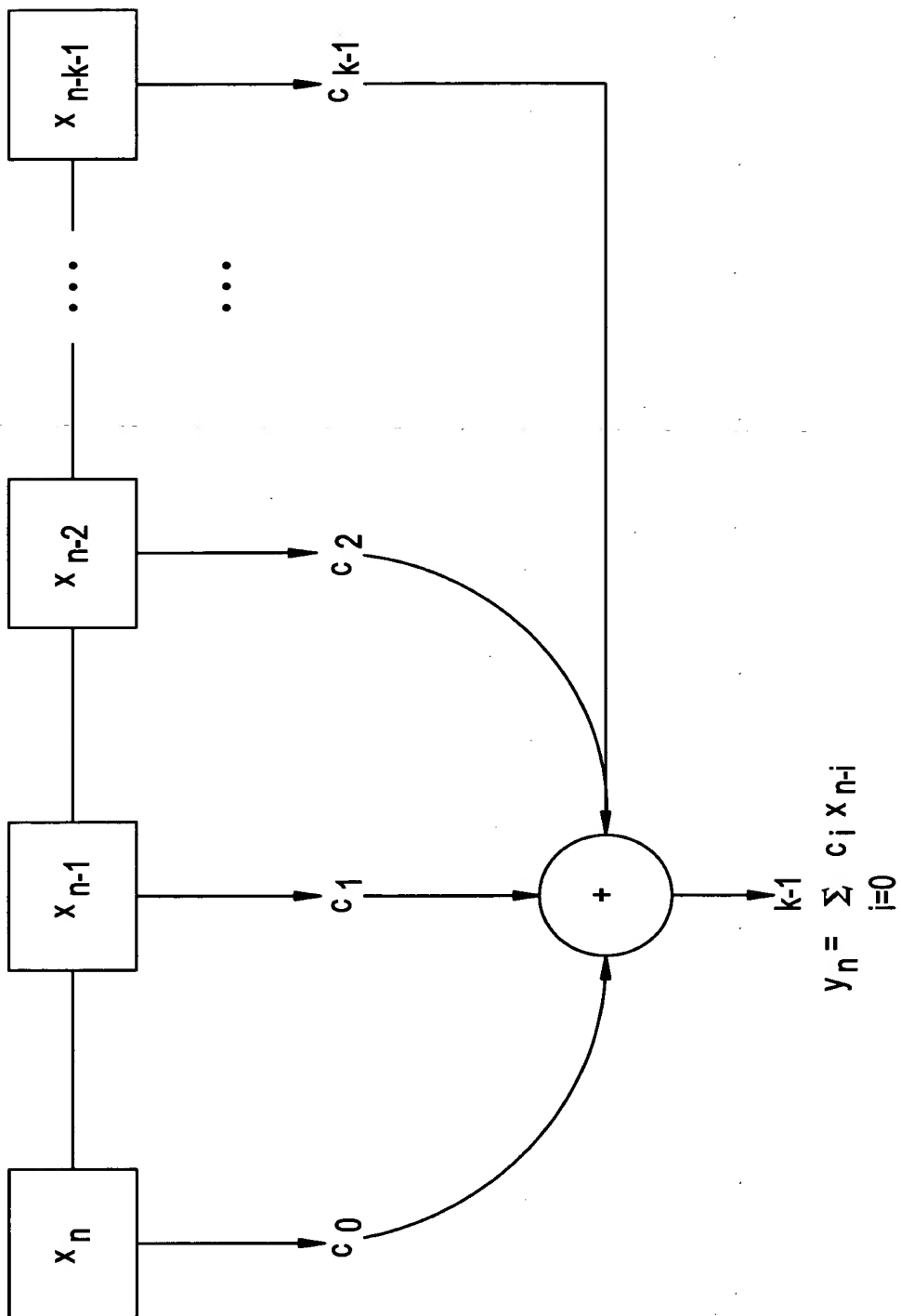
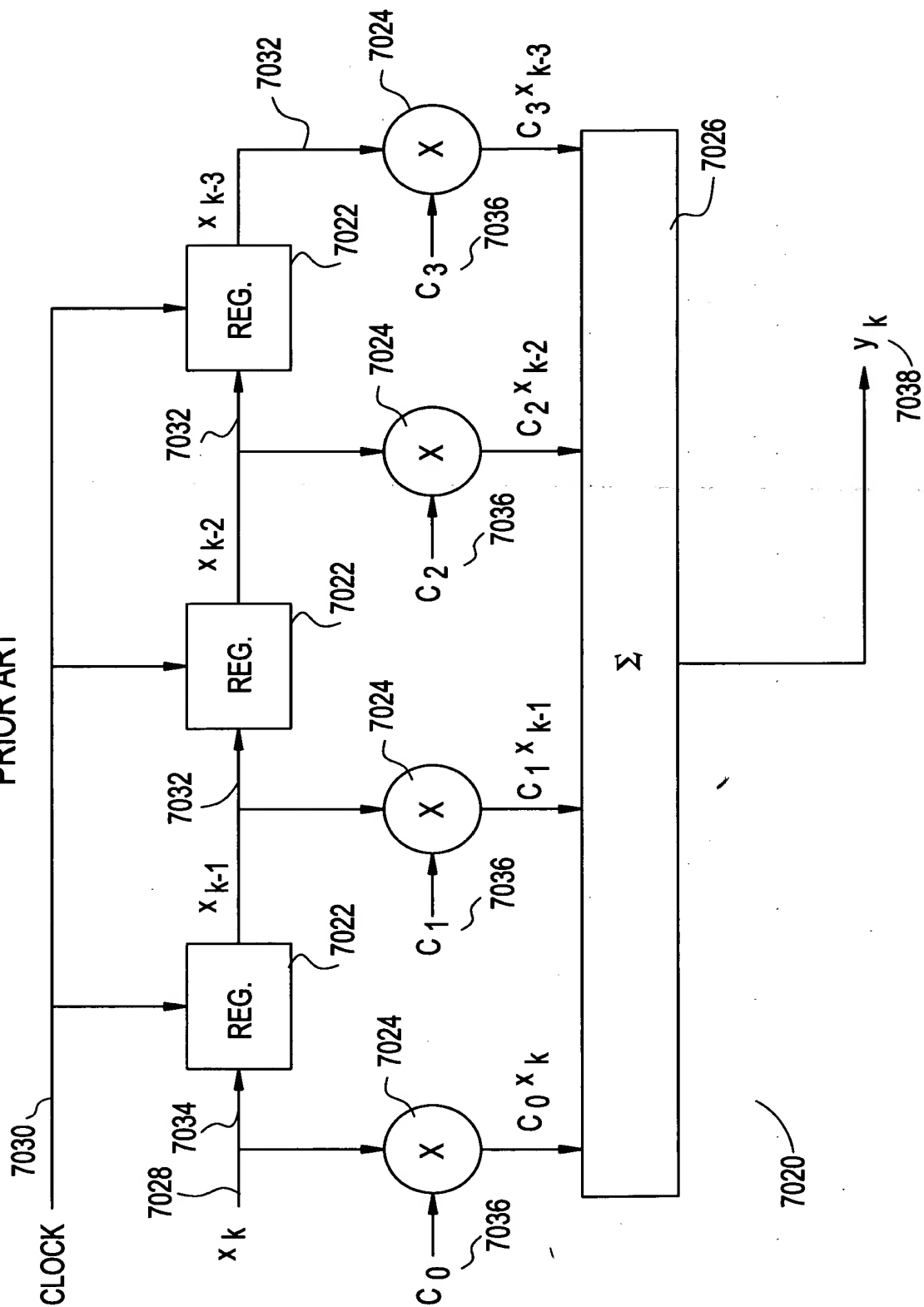




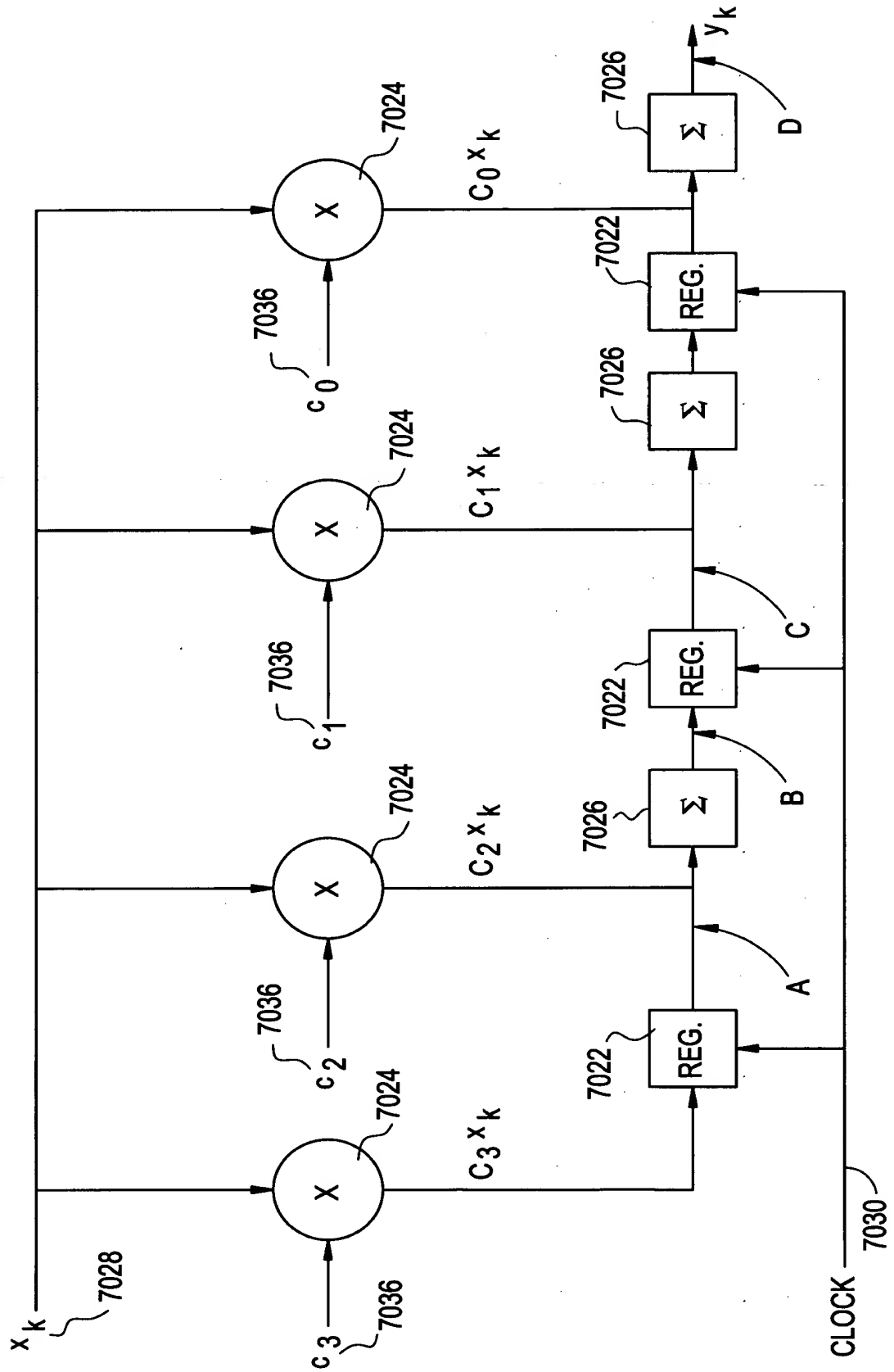
FIG. 73
PRIOR ART





REPLACEMENT SHEET

FIG. 74
PRIOR ART





REPLACEMENT SHEET

FIG. 75A

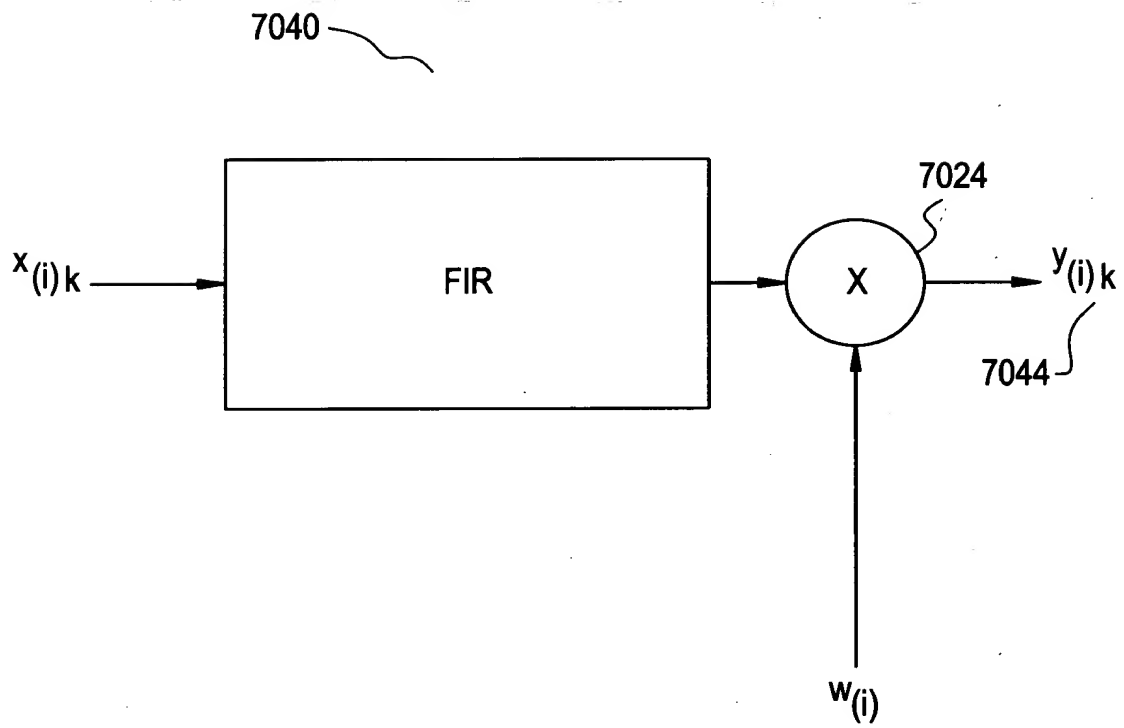


FIG. 75B

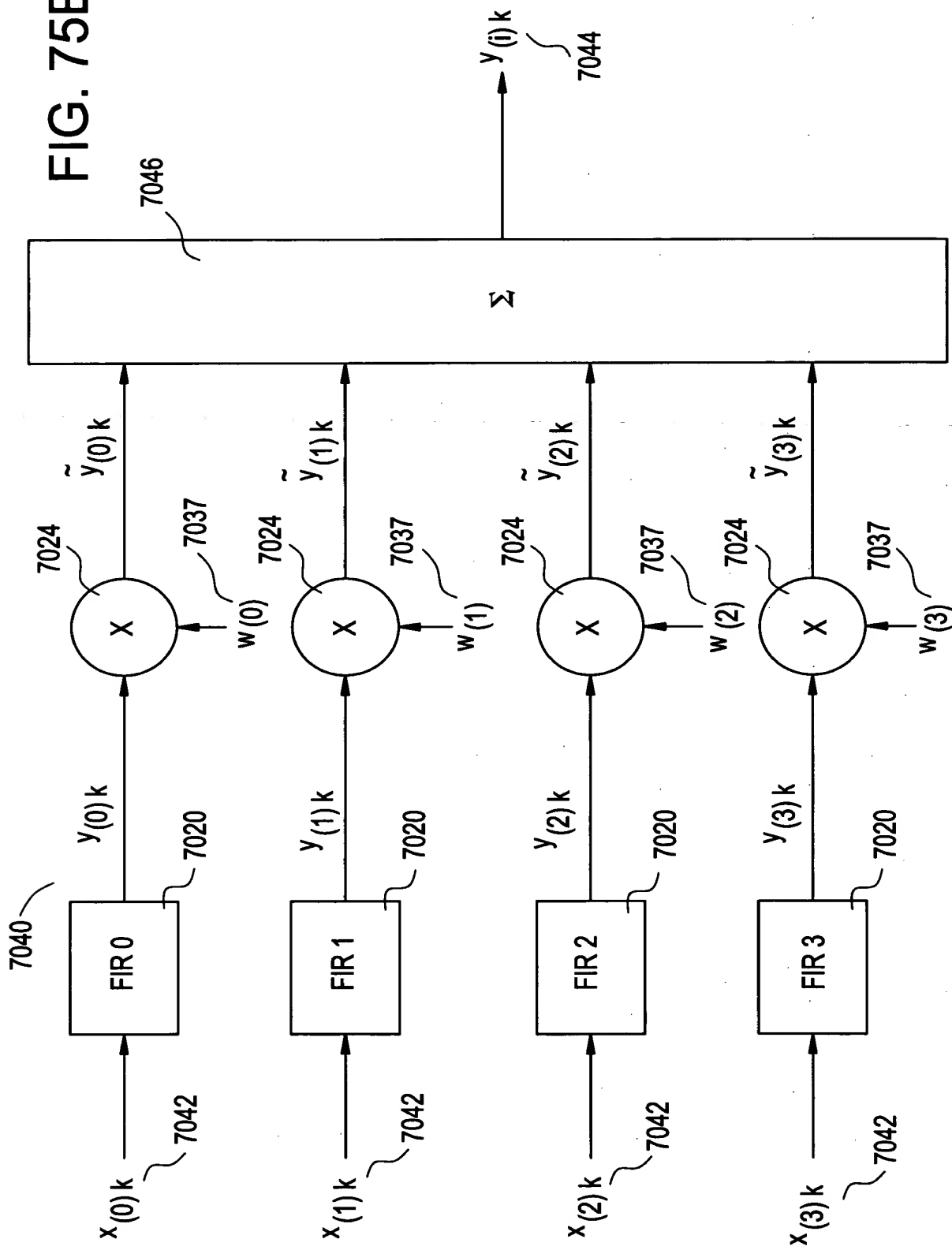
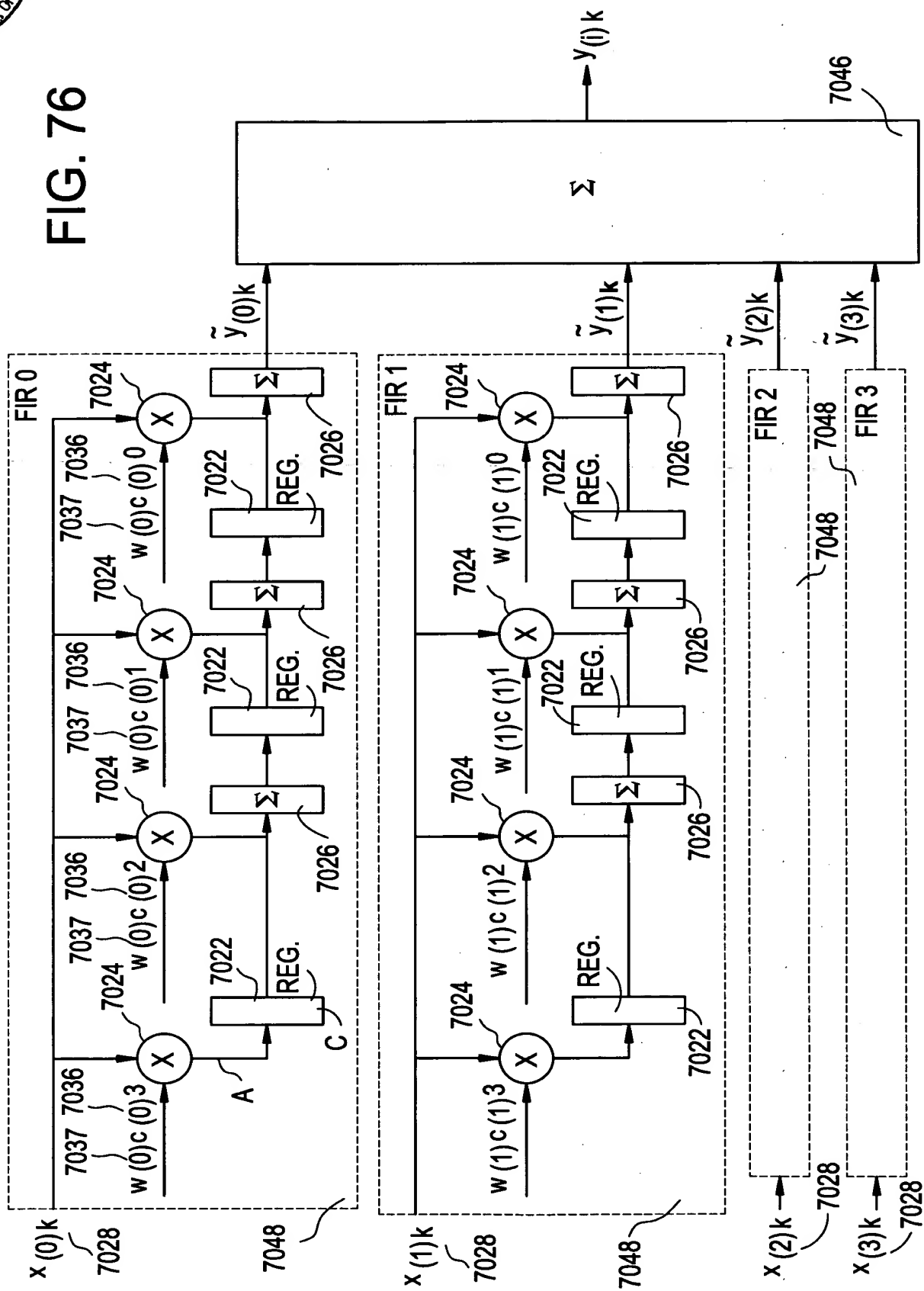


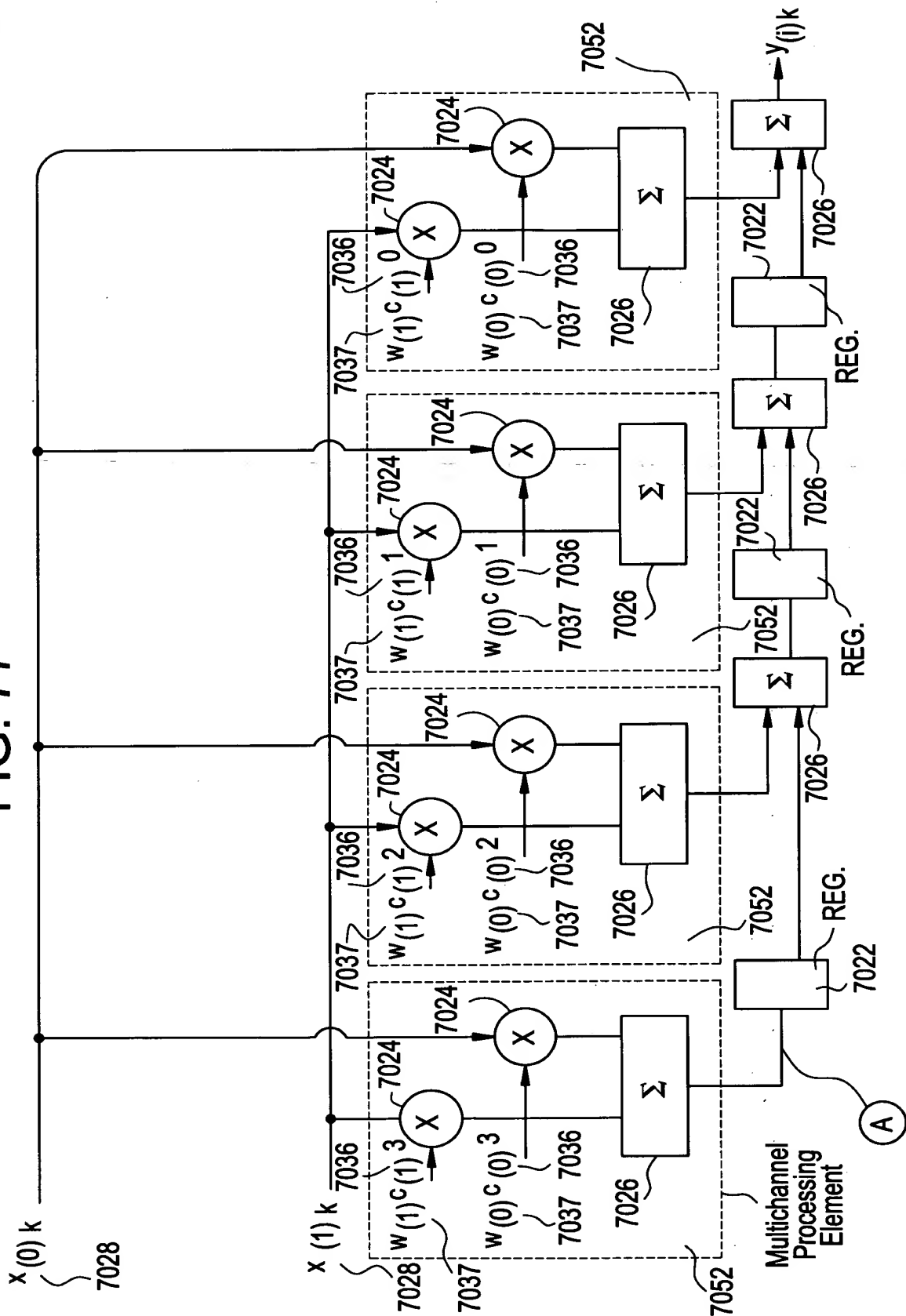
FIG. 76





REPLACEMENT SHEET

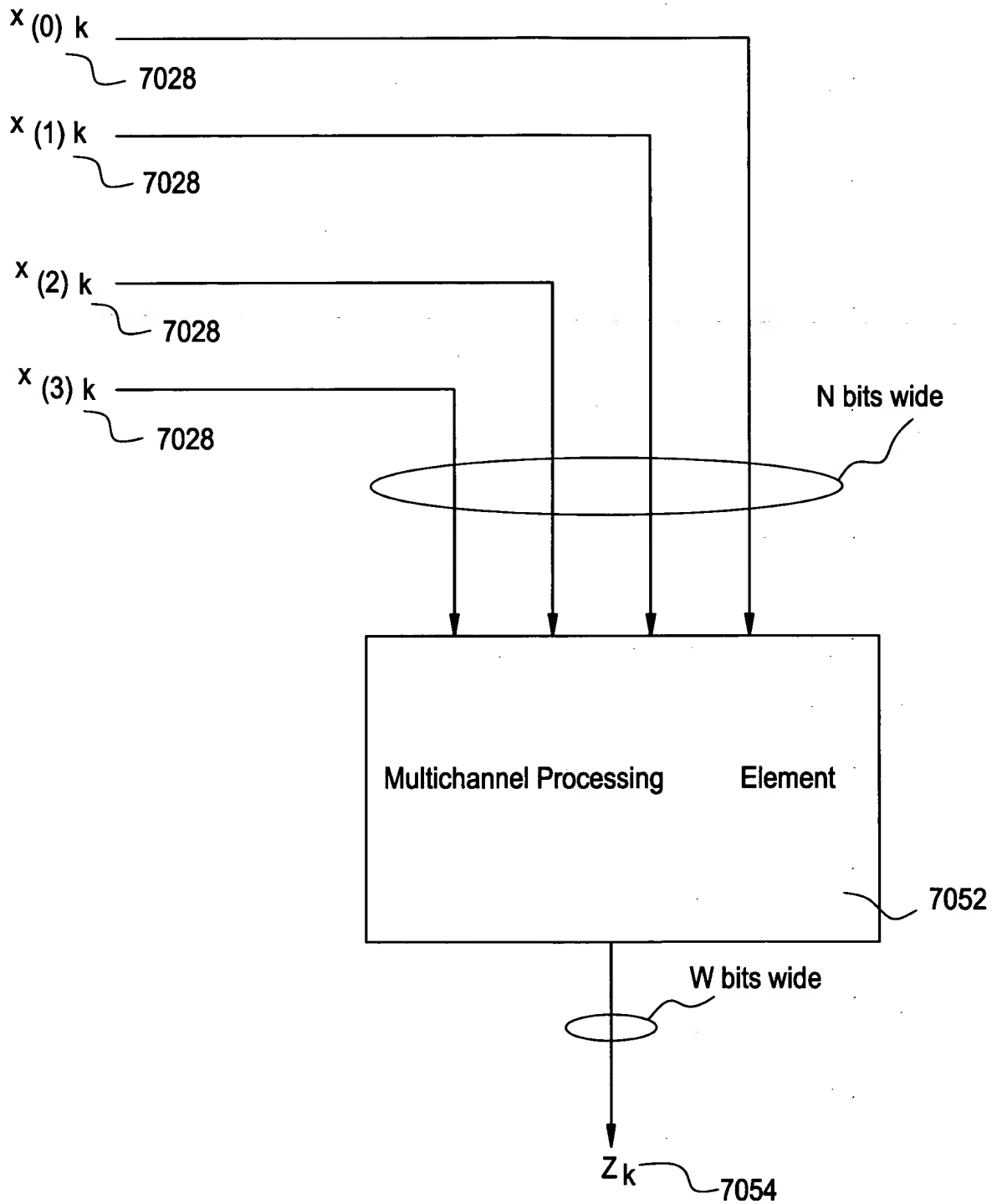
FIG. 77





REPLACEMENT SHEET

FIG. 78





REPLACEMENT SHEET

FIG. 79A

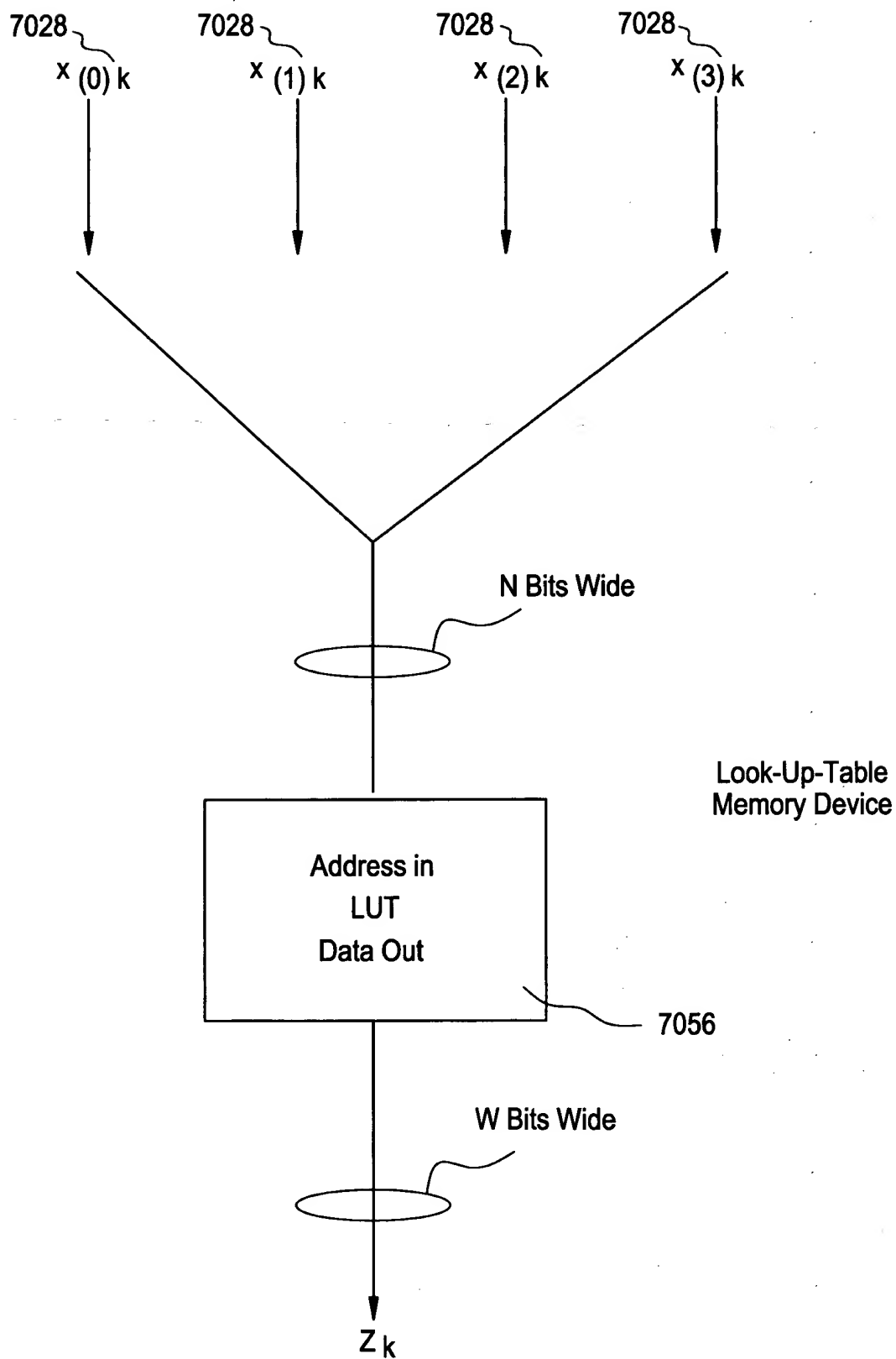
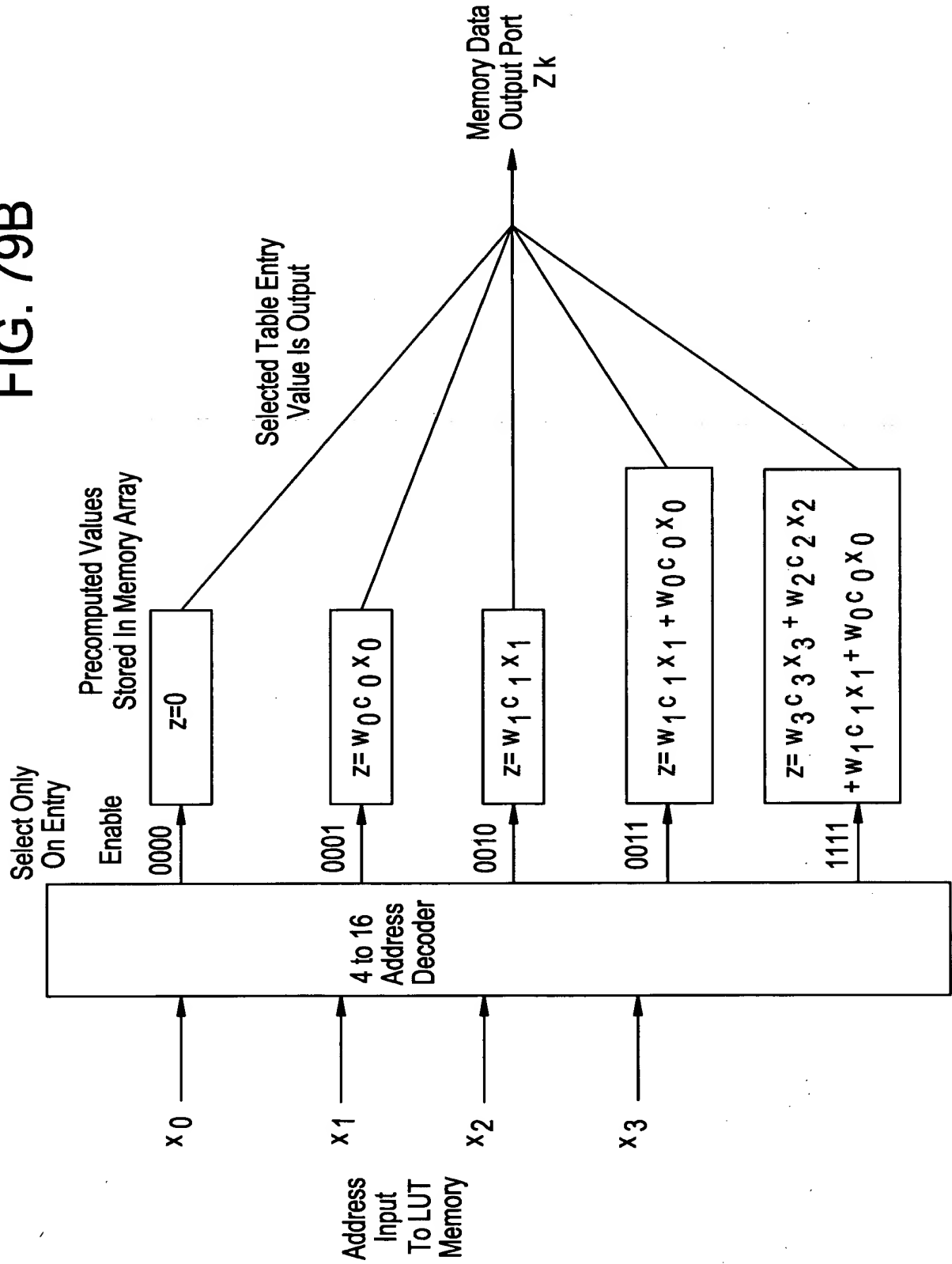


FIG. 79B





REPLACEMENT SHEET

FIG. 80

